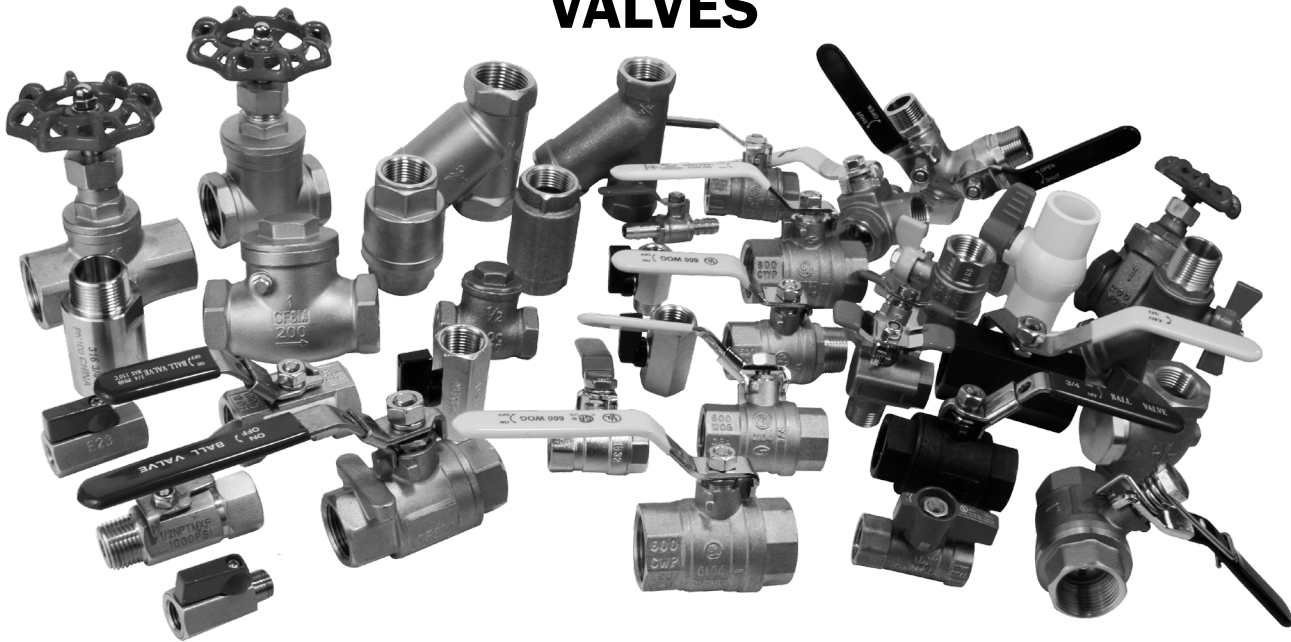


VALVES



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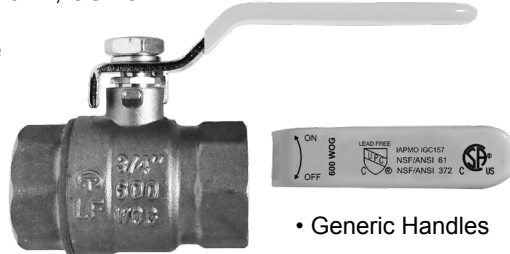
• **BRASS** • **600PSI** • **STAINLESS STEEL BALL** • **FULL PORT**

**LEAD
FREE**

VALVES

IAMPO IGC 157 - 2004b

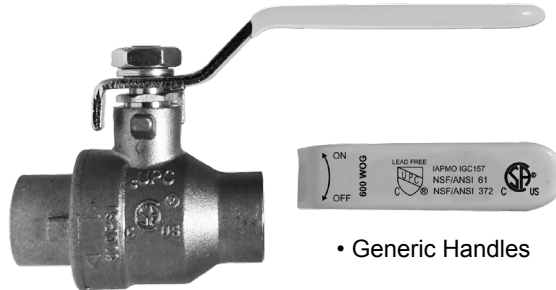
Lead Free Brass Ball Valve NPT,Female*Female
 Lead Free and dezincification resistant (DZR) material
 IAPMO listed to NSF/ANSI-61, NSF/ANSI-372 ,IGC-157
 CSA listed to NSF/ANSI-61, NSF/ANSI-372 ,IGC-157
 Vacuum Services 29.92 inches Hg
 600 psi (WOG) 150 psi (WSP) Service
 Thread conform ANSI B1.20.1
 Temperature Range : -40° F to 365° F
 Construction:Forging Brass Body
 PTFE Ball Seats
 Blow Out Proof Brass Stem
 Stainless Steel Ball
 Steel Handle w/Vinyl Grip
 Made in China



• Generic Handles

FIP X FIP LEAD FREE BALL VALVE

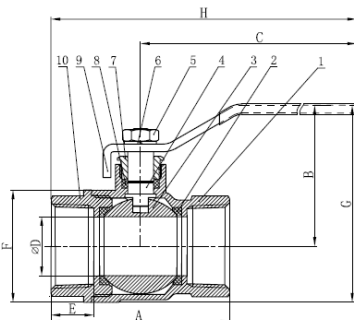
Part #	Size	OD	A	B	C	E	F	G	H	Weight	Box/Case	List Price
941151LF	1/4"	0.394	1.73	1.69	3.35	0.453	0.945	2.154	4.331	0.32	10/120	9.75
941152LF	3/8"	0.394	1.73	1.69	3.35	0.473	0.945	2.154	4.331	0.32	10/120	9.75
941153LF	1/2"	0.524	1.89	1.73	3.35	0.472	1.083	2.276	4.291	0.36	10/100	10.99
941154LF	3/4"	0.748	2.28	1.89	3.35	0.563	1.378	2.579	4.488	0.57	10/80	16.05
941155LF	1"	0.984	2.80	2.14	4.29	0.650	1.772	3.031	5.689	0.65	8/48	24.84
941156LF	1-1/4"	1.240	3.15	2.32	4.29	0.669	2.165	3.398	5.866	1.75	4/36	37.88
941157LF	1-1/2"	1.476	3.44	2.66	5.63	0.701	2.50	3.909	7.343	2.10	2/24	57.10
941158LF	2"	1.949	4.06	3.01	5.63	0.708	3.244	4.638	7.638	3.35	2/12	87.81



• Generic Handles

SWT X SWT LEAD FREE BALL VALVE

Part #	Size	OD	A	B	C	E	G	H	Weight	WTG	Box/Case	List Price
941163LF	1/2"	0.524	1.945	1.73	3.35	0.504	1.083	2.276	4.319	0.38	10/100	10.49
941164LF	3/4"	0.748	2.654	1.89	3.35	0.748	1.378	2.579	4.665	0.65	10/80	14.20
941165LF	1"	0.984	3.315	2.14	4.29	0.909	1.772	3.031	5.949	1.18	8/48	25.02
941166LF	1-1/4"	1.240	3.741	2.32	4.29	0.968	2.165	3.398	6.165	1.35	4/36	38.46
941167LF	1-1/2"	1.476	4.252	2.66	5.63	1.091	2.50	3.909	7.756	2.18	2/24	57.88
941168LF	2"	1.949	5.276	3.01	5.63	1.343	3.244	4.638	8.268	3.62	2/12	68.36



No	Item	Qty	Material
1	Body	1	Lead Free Brass
2	Seat	2	PTFE
3	Ball	1	Stainless Steel
4	Stem	1	Brass
5	Handle Nut	1	Plated Steel
6	Lock Washer	1	Plated Steel
7	Packing Nut	1	Brass
8	Packing	1	PTFE
9	Handle	1	Plated Steel
10	Cap	1	Lead Free Brass

LEAD FREE BALL VALVE

VALVES

1/2" - 2" Sizes Gas Approved



LEAD FREE BALL VALVE W/APPROVALS

• **BRASS** • **600PSI** • **FULL PORT**

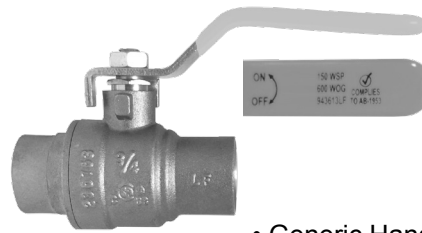
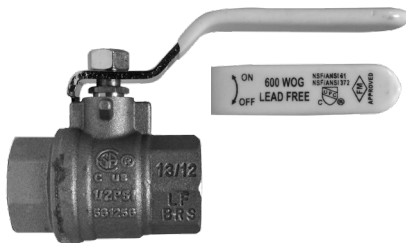
CSA, UL, FM(1/4"-2"), cUPC, NSF/ ANSI 61 & 372

FEATURES

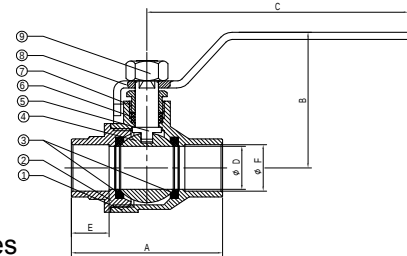
- Leadfree Brass Ball valve NPT, Female * Female
- Lead free and dezincification resistant (DZR) material
- 1/4"-1" Lead Free Brass Ball
- Size 1-1/4" thru 4" with Stainless steel ball
- IAMPO listed to cUPC, NSF/ ANSI 61 & 372, IGC 157
- CSA - 1/4" thru 2": ANSI Z21.15/ CSA 9.1 for 1/2 psig valves
ASME B16.44, CGA CR91-002 for 2 & 5 psig valves;
CAN/ CGA-3.16, ASME B16.33 (1/2"-2") for 125 psig valves
- UL 125, UL 1477, UL 842 - for size 1/4" thru 4", 250 psig
- UL 258 - for size 1/4" thru 2", 175 psig
- FM - for size 1/4" thru 2"
- ISO 9002 Manufacture
- Suitable for full range of liquids and gases
- Minimal pressure drop due to large full size ports
- Bottom loaded, pressure retaining stem
- Pressure rated for 1/4"-2" at 600psi (42 bars) and 2-1/2"-4" at 400 psi WOG (non-shock) and 150 WSP (10.34 bars) saturated steam. Virgin PTFE stem packing seal, thrust washer and seats
- White vinyl insulator on heavy duty plated carbon steel handles
- Fast 1/4 turn open or close operation
- Low operating torque

- **Adjustable stem packing gland**
- Maximum operating temperature: 302°F (150°C)
- Minimum operating temperature: -22°F (-30°C)
- Each valve individually tested
- Forged Brass - for more strength
- Threaded ends to ANSI B1.20.1
- Hard chromium plated solid ball
- Bottom entry, blow-out proof stem
- Deeper threads - for better connections
- Made in China

POS	Components	Materials
1	Body	Lead Free Brass
2	End Cap	Lead Free Brass
3	Ball Seat	PTFE
4	Ball	1/4-1" Lead Free Brass 1 1/4-4" SS316 Hollowball
5	Stem	Brass
6	Stem Packing	PTFE
7	Packing Nut	Brass
8	Lever Handle	Nickel plating steel
9	Stem Nut	Brass plating steel
10	Seal	PTFE



• Generic Handles



Part#	Size	DIMENSIONS								Weight	Box/Case	List Price
		A	B	C	D	E	F	G	H			
940-171LF	1/4"	1.756	1.732	3.543	0.394	0.457	1.012	2.238	4.421	0.34	70/140	12.24
940-172LF	3/8"	1.756	1.732	3.543	0.394	0.457	1.012	2.238	4.421	0.34	70/140	11.28
940-173LF	1/2"	2.047	2.040	3.543	0.583	0.520	1.240	2.559	4.567	0.45	50/100	15.78
940-174LF	3/4"	2.362	2.260	3.780	0.748	0.563	1.492	2.854	4.961	0.69	30/60	23.94
940-175LF	1"	2.756	2.579	4.528	0.945	0.630	1.791	3.476	5.906	1.11	20/40	38.40
940-176LF	1-1/4"	3.307	3.050	4.528	1.260	0.709	2.343	4.134	6.181	1.85	12/24	64.86
940-177LF	1-1/2"	3.661	3.366	5.420	1.575	0.717	2.835	4.783	7.343	2.60	9/18	96.96
940-178LF	2"	4.181	3.701	6.160	1.969	0.748	3.425	5.413	7.602	3.62	6/12	135.42
940-179LF	2-1/2"	4.181	4.650	8.870	2.520	1.024	4.331	6.969	11.350	7.93	3/6	313.80
940-180LF	3"	6.039	4.970	8.870	2.913	1.102	4.921	7.579	11.681	10.40	1/4	379.68
940-181LF	4"	7.386	6.130	10.85	3.898	1.220	6.430	9.055	13.299	20.99	1/2	831.60

SWT X SWT LEAD FREE BALL VALVE FM, cUPC, NSF/ ANSI 61 & 372

Part #	SWT	A	B	C	D	E	F	Weight	Box/Case	List Price
943-612LF	1/2"	2.047	1.839	3.543	0.583	0.512	0.630	0.45	50/100	12.81
943-613LF	3/4"	2.748	2.14	3.780	0.748	0.748	0.878	0.68	30/60	22.14
943-614LF	1"	3.228	2.449	4.528	0.945	0.906	1.130	1.08	20/40	35.31
943-615LF	1-1/4"	3.819	3.04	4.36	1.260	0.972	1.378	1.80	12/24	56.05
943-616LF	1-1/2"	4.425	3.169	5.39	1.575	1.088	1.630	2.51	9/18	81.75
943-617LF	2"	5.377	3.488	6.307	1.989	1.346	2.130	3.57	6/12	114.71

ITALIAN LEAD FREE BRASS BALL VALVE

LEAD
FREE

VALVES



CSA AGA 3.88 5 PSIG



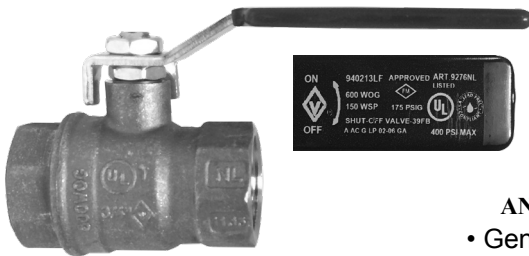
UL842, UL258, UL125, FM

ISO 9002 Manufacturer
FEATURES600 PSI non-shock cold water, gas, oil
- 150 PSI saturated steam

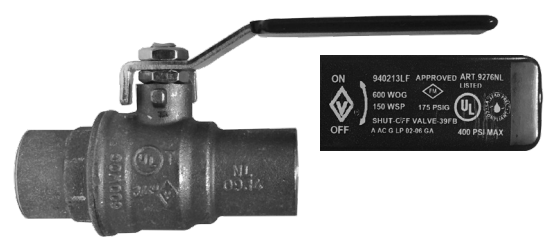
- **SOLID CHROME PLATED BRASS BALL**
- Suitable for full range of liquids and gases
- Minimal pressure drop due to large full size ports
- Bottom loaded, pressure retaining stem
- Pressure rated at 600psi (42 bars) WOG (non-shock) and 150 WSP (10.34 bars) saturated steam. Virgin TFE stem packing seal, thrust washer and seats.
- Blue vinyl insulator on heavy duty plated carbon steel handles.
- Fast 1/4 turn open or close operation
- Low operating torque
- Flow can go both directions

- Adjustable stem packing gland
- Maximum operating temperature: 248°F (120° C) at 600 PSI
- Minimum operating temperature: -20°F (-40°C)
- Each valve individually tested
- Forged Brass - for more strength
- Threaded ends to ANSI B1.20.1
- Hard chromium plated solid ball
- Bottom entry, blow-out proof stem
- Deeper threads - for better connections

MADE IN ITALY



FIP X FIP

ANSI/INSE 61-8
• Generic Handles

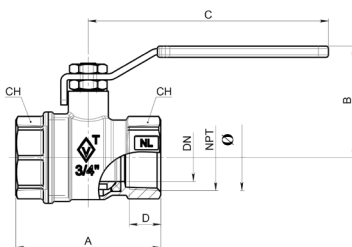
SWT X SWT

FIP X FIP LEAD FREE FORGED BRASS BALL VALVE

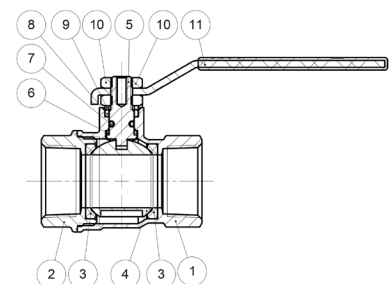
Part #	NPT	DN	A	B	C	D	CH	Weight (lbs)	Box/Case	List Price
943-233LF	1/2"	0.57	2.09	1.57	3.35	0.46	0.98	0.39	20/80	17.05
943-234LF	3/4"	0.75	2.28	1.77	3.80	0.49	1.22	0.56	14/56	25.50
943-235LF	1"	0.94	2.80	2.03	3.80	0.59	1.50	0.89	6/24	42.45
943-236LF	1-1/4"	1.24	3.23	2.32	4.72	0.62	1.85	1.44	4/16	67.89
943-237LF	1-1/2"	1.49	3.70	2.60	4.72	0.64	2.13	2.19	2/8	105.16
943-238LF	2"	1.96	4.13	3.27	6.38	0.65	2.64	3.62	1/4	141.12

SWT X SWT LEAD FREE FORGED BRASS BALL VALVE

Part #	SWT	Ø	DN	A	B	C	D	CH	Weight (lbs)	Box/Case	List Price
940-212LF	1/2"	0.63	0.57	2.25	1.57	3.35	0.42	0.79	0.35	20/80	16.45
940-213LF	3/4"	0.866	0.75	3.05	1.77	3.80	0.61	1.06	0.55	10/40	24.50
940-214LF	1"	1.102	0.94	3.68	2.03	3.80	0.73	1.34	0.87	6/24	37.45
940-215LF	1-1/4"	1.377	1.24	4.18	2.32	4.72	0.91	1.61	1.41	6/24	61.74
940-216LF	1-1/2"	1.61	1.49	4.96	2.60	4.72	1.06	1.89	2.08	2/8	87.15
940-217LF	2"	2.125	1.96	5.87	3.27	6.38	1.26	2.40	3.62	1/4	141.12



POS	Components	Materials
1	Body	CW510L
2	End Connection	CW510L
3	Ball Seal	PTFE
4	Seal	CW510L
5	Stem	CW614N
6	Lower Stem	PTFE
7	O-Ring	NBR70sh
8	Upper Seal	PTFE
9	Brass Ring	CW614N
10	Nut	Steel
11	Handle	Steel P10



LEAD FREE GATE/ CHECK/ Y VALVES

VALVES

BRASS GATE VALVE IPS

- **200 WOG (Cold water, oil, gas)**
- **125 WSP (Saturated Steam)**
- Brass Forged body/bonList- stronger than sand castings.
- Superior quality and finish.
- Each valve individually tested.
- Threaded ends to ANSI B1.20.1,
Solder ends to ANSI B16.18
- Non rising stem.
- Cast iron handle.



BRASS GATE VALVE IPS

Part#	Size	List Price
940-130LF	1/4	13.75
940-131LF	3/8	13.76
940-132LF	1/2	18.53
940-133LF	3/4	22.13
940-134LF	1	28.50
940-135LF	1-1/4	53.91
940-136LF	1-1/2	78.35
940-137LF	2	83.53

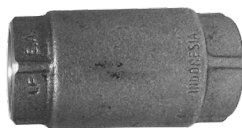
BRASS GATE VALVE C X C



Part#	Size	List Price
940-142LF	1/2"	14.67
940-143LF	3/4"	20.01
940-144LF	1"	28.50
940-145LF	1-1/4"	46.85
940-146LF	1-1/2"	59.20
940-147LF	2"	84.01

BRASS CHECK VALVE

NO	Part	Material
1	Cap	C37700
2	Gasket	NBR
3	Spring	Stainless Steel
4	Positioning Seat	BRASS
5	Screw	BRASS
6	Body	C37700



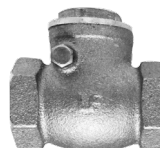
LEAD-FREE

Part #	Size	List Price
944-430LF	1/2	23.10
944-431LF	3/4	31.15
944-432LF	1	43.35
944-433LF	1-1/4	58.70
944-434LF	1-1/2	80.00
944-435LF	2	134.45

CAST BRASS SWING CHECK VALVE IPS

SCREWED ENDS

- Working pressure non-shock: 200 psi W.O.G. (cold water, oil, gas) 125 psi WSP (saturated steam)
- Swing type disc.
- Screwed Cap.
- Hard Seat.
- 90° Straight Pattern.
- Used to prevent reverse flow in commercial and industrial applications.
- Threaded ends to ANSI B1.20.1
- Integral seat.



Part #	Size	List Price
940-352LF	1/2"	17.79
940-353LF	3/4"	18.79
940-354LF	1"	29.88
940-355LF	1-1/4"	50.35
940-356LF	1-1/2"	64.16
940-357LF	2"	95.65

C X C SWING CHECK VALVE



Part #	Size	List Price
940-362LF	1/2	13.25
940-363LF	3/4	22.68
940-364LF	1	32.10
940-365LF	1-1/4	48.78
940-366LF	1-1/2	56.02
940-367LF	2	107.22

CLASS 150 BRASS Y-PATTERN STRAINER



LEAD-FREE

Part#	Size	List Price
940-523LF	1/2"	38.36

FORGED BRASS BALL VALVE

• BRASS • 600WOG • FULL PORT

1/2" - 2" Sizes Gas Approved

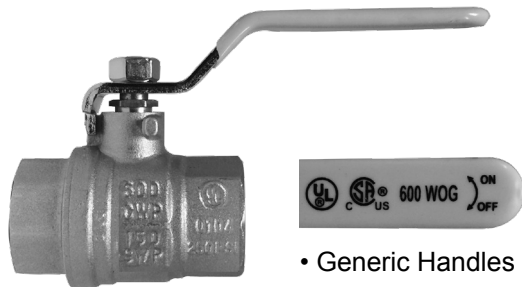
ISO 9002 Manufacturer
FEATURES1/4-2" 600 PSI non-shock cold water, gas, oil -
150 PSI saturated steam

2-1/2" - 4" 400 PSI non-shock cold water, gas, oil

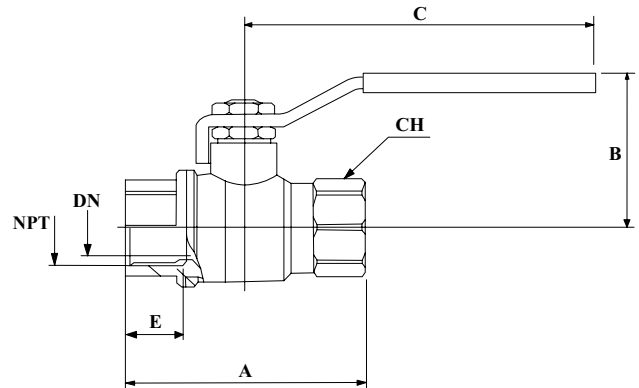
Made in China

- Suitable for full range of liquids and gases
- Minimal pressure drop due to large full size ports
- Bottom loaded, pressure retaining stem
- Pressure rated for 1/4"-2" at 600psi (42 bars) and 2-1/2"-4" at 400 psi WOG (non-shock) and 150 WSP (10.34 bars) saturated steam. Virgin PTFE stem packing seal, thrust washer and seats
- Yellow vinyl insulator on heavy duty plated carbon steel handles
- Fast 1/4 turn open or close operation
- Not Lead Free
- Good for gasoline

- Low operating torque
- Adjustable stem packing gland
- Maximum operating temperature: 302°F (150° C)
- Minimum operating temperature: -22°F (-30°C)
- Each valve individually tested
- Forged Brass - for more strength
- Threaded ends to ANSI B1.20.1
- Hard chromium plated solid ball
- Bottom entry, blow-out proof stem
- Deeper threads - for better connections

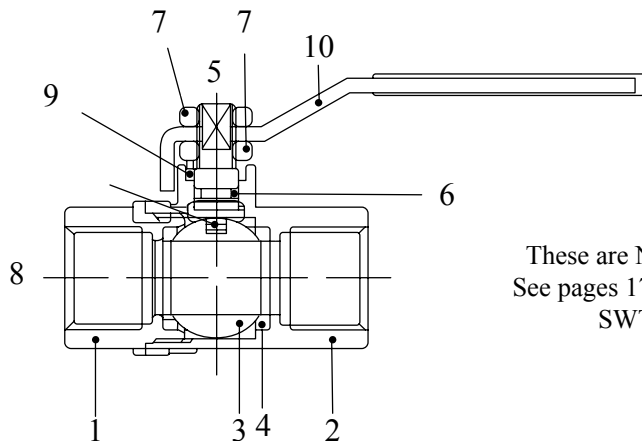


• Generic Handles



Part#	Size	Dimension Inches						Weight	Box/Case	List Price
	NPT	DN	A	B	C	E	CH			
940-171	1/4"	0.39	1.75	1.27	3.54	0.46	0.78	0.34	70/140	9.08
940-172	3/8"	0.41	1.75	1.27	3.54	0.46	0.78	0.30	70/140	9.08
940-173	1/2"	0.58	2.05	1.92	3.54	0.52	0.98	0.44	50/100	10.89
940-174	3/4"	0.75	2.36	2.08	3.78	0.56	1.20	0.67	30/60	15.95
940-175	1"	0.94	2.75	2.56	4.52	0.66	1.50	1.05	20/40	24.82
940-176	1-1/4"	1.26	3.30	2.95	4.52	0.70	1.82	1.50	12/24	36.53
940-177	1-1/2"	1.57	3.66	3.34	5.51	0.72	2.09	2.30	9/18	54.16
940-178	2"	1.97	4.18	3.68	5.51	0.74	2.62	3.38	6/12	84.72
940-179*	2-1/2"	2.52	5.38	4.76	8.66	1.01	3.36	7.61	4/8	213.21
940-180*	3"	2.95	6.04	5.08	8.66	1.11	3.86	11.10	2/4	249.34
940-181*	4"	3.89	7.38	5.86	9.00	1.22	4.89	12.12	1/2	471.55

* 400 PSI



These are NOT Lead Free
See pages 178 for Lead Free
SWT Valves

POS	Components	Materials	N
1	Body	Forged Brass	1
2	End Connection	Forged Brass	1
3	Ball	CP Brass	1
4	Ball Seat	P.T.F.E.	2
5	Stem	Brass	1
6	Gland	Brass	1
7	Nut	Steel	1
8	Spring Inseat	Steel	1
9	Stem Seal	P.T.F.E.	1
10	Handle	Steel	1

Some product stocked in Houston and Atlanta.

• Not Lead Free AB1953 Compliant

LOCKING HANDLE BALL VALVE

VALVES

LOCKING HANDLE BALL VALVE

• BRASS • 600WOG • FULL PORT

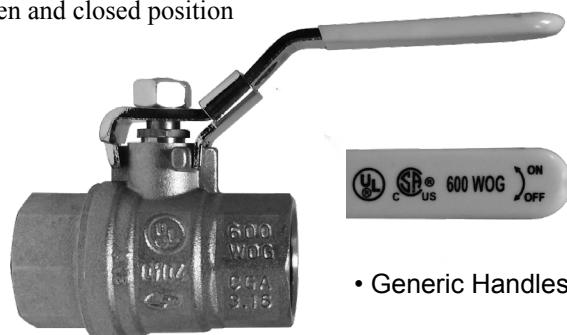
1/2" - 2" Sizes Gas Approved

ISO 9002 Manufacturer
FEATURES1/4-2" 600 PSI non-shock cold water, gas, oil -
150 PSI saturated steam

Made in China

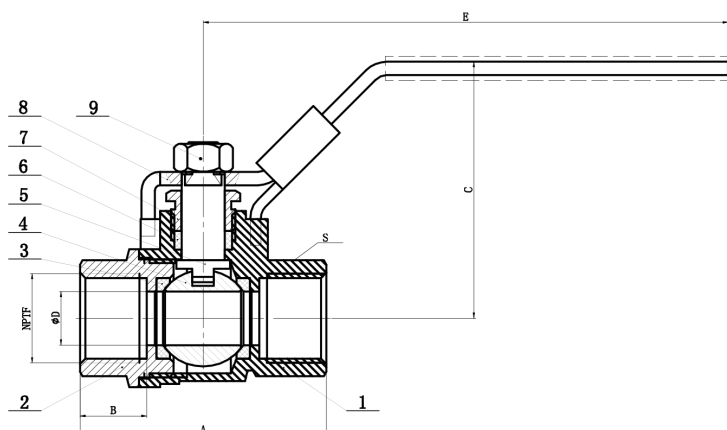
- Suitable for full range of liquids and gases
- Minimal pressure drop due to large full size ports
- Bottom loaded, pressure retaining stem
- Pressure rated for 1/4"-2" at 600psi (42 bars) and 2-1/2"-4" at 400 psi WOG (non-shock) and 150 WSP (10.34 bars) saturated steam. Virgin PTFE stem packing seal, thrust washer and seats
- Yellow vinyl insulator on heavy duty plated carbon steel handles
- Fast 1/4 turn open or close operation
- Not Lead Free
- Locking mechanism works in open and closed position

- Low operating torque
- Adjustable stem packing gland
- Maximum operating temperature: 302°F (150° C)
- Minimum operating temperature: -22°F (-30°C)
- Each valve individually tested
- Forged Brass - for more strength
- Threaded ends to ANSI B1.20.1
- Hard chromium plated solid ball
- Bottom entry, blow-out proof stem
- Deeper threads - for better connections



• Generic Handles

Part#	Size	Dimension Inches								
	NPT	DN	A	B	C	E	CH	Weight	Box/Case	List Price
940-171L	1/4"	0.31	1.73	1.84	3.15	0.49	0.71	0.39	70/140	10.50
940-172L	3/8"	0.39	1.81	1.88	3.86	0.49	0.79	0.35	70/140	10.50
940-173L	1/2"	0.58	2.23	2.09	3.86	0.61	0.98	0.49	50/100	12.24
940-174L	3/4"	0.75	2.48	2.24	4.06	0.62	1.20	0.78	30/60	18.60
940-175L	1"	0.94	2.95	2.67	4.73	0.73	1.50	1.18	20/40	27.80
940-176L	1-1/4"	1.26	3.42	3.05	4.73	0.77	1.81	1.76	12/24	42.30
940-177L	1-1/2"	1.57	3.78	3.51	5.71	0.78	2.09	2.53	9/18	64.92
940-178L	2"	1.97	4.18	3.84	5.71	0.75	2.60	3.53	6/12	93.00



POS	Components	Materials	N
1	Body	Forged Brass	1
2	End Connection	Forged Brass	1
3	Ball	CP Brass	1
4	Ball Seat	P.T.F.E.	2
5	Stem	Brass	1
6	Gland	Brass	1
7	Nut	Steel	1
8	Spring Inseat	Steel	1
9	Stem Seal	P.T.F.E.	1
10	Handle	Steel	1

• Not Lead Free AB1953 Compliant

BUTTERFLY HANDLE BALL VALVE

• BRASS • 600WOG • FULL PORT

1/2" - 3/4" Sizes Gas Approved

ISO 9002 Manufacturer
FEATURES1/4-3/4" 600 PSI non-shock cold water, gas, oil
- 150 PSI saturated steam

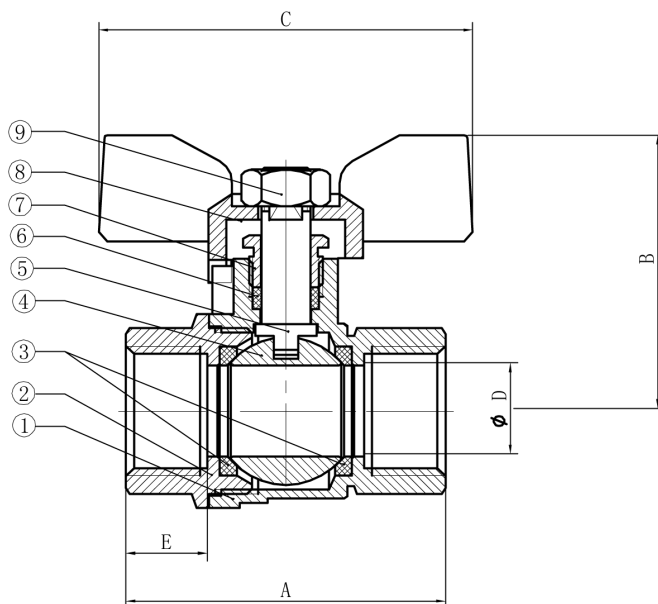
Made in China

- Suitable for full range of liquids and gases
- Minimal pressure drop due to large full size ports
- Bottom loaded, pressure retaining stem
- Pressure rated for 1/4"-3/4" at 600psi (42 bars) and 150 WSP (10.34 bars) saturated steam. Virgin PTFE stem packing seal, thrust washer and seats
- Fast 1/4 turn open or close operation
- Low operating torque
- Adjustable stem packing gland
- Maximum operating temperature: 302°F (150° C)

- Minimum operating temperature: -22°F (-30°C)
- Each valve individually tested
- Forged Brass - for more strength
- Threaded ends to ANSI B1.20.1
- Hard chromium plated solid ball
- Bottom entry, blow-out proof stem
- Deeper threads - for better connections
- Not Lead Free



Part#	Size NPT	A	B	C	D	E	Weight	Box/Case	List Price
940-171T	1/4"	1.677	1.488	1.831	0.315	0.457	0.342	70/140	10.50
940-172T	3/8"	1.756	1.488	1.831	0.394	0.457	0.31	70/140	10.50
940-173T	1/2"	2.047	1.756	2.394	0.583	0.520	0.44	50/100	12.24
940-174T	3/4"	2.362	1.921	2.394	0.748	0.563	0.68	30/60	18.60



POS	Components	Materials
1	Body	C37700
2	End Cap	C37700
3	Ball Seat	PTFE
4	Ball	C37700
5	Stem	C37700
6	Stem Packing	PTFE
7	Packing Nut	C37700
8	Lever Handle	ZL102
9	Stem Nut	A570

Steel Tee handle option available
with extended delivery (1/4" - 4")

• Not Lead Free AB1953 Compliant

NICKEL PLATED BALL VALVE**VALVES****NICKEL PLATED BALL VALVE**

- BRASS
- 600WOG
- FULL PORT
- NO APPROVALS

Vacuum service to 29 inches Hg

600 psi (WOG) 150 psi (WSP) Service

Thread conform ANSI B1.20.1

Temperature Range : -40° F to 365° F

Construction: Forging Brass Body, Nickel plated

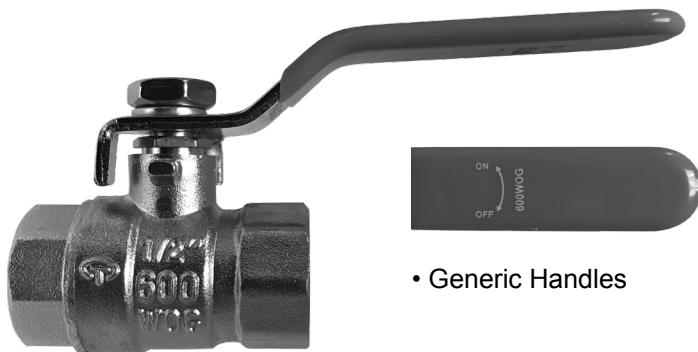
PTFE Ball Seats

Blow Out Proof Brass Stem

Steel Handle w/Vinyl Grip

Made in China

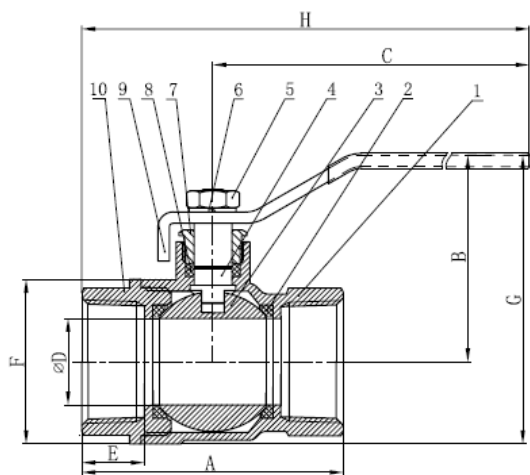
- Not Lead Free

NEW

- Generic Handles

FIP X FIP NICKEL PLATED BALL VALVE

Part #	Size	OD	A	B	C	E	F	G	H	Weight	Box/Case	List Price
941151NP	1/4"	0.394	1.73	1.69	3.35	0.453	0.945	2.154	4.331	0.32	10/120	8.96
941152NP	3/8"	0.394	1.73	1.69	3.35	0.473	0.945	2.154	4.331	0.32	10/120	8.96
941153NP	1/2"	0.524	1.89	1.73	3.35	0.472	1.083	2.276	4.291	0.36	10/100	10.88
941154NP	3/4"	0.748	2.28	1.89	3.35	0.563	1.378	2.579	4.488	0.57	10/80	17.36
941155NP	1"	0.984	2.80	2.14	4.29	0.650	1.772	3.031	5.689	0.65	8/48	28.56
941156NP	1-1/4"	1.240	3.15	2.32	4.29	0.669	2.165	3.398	5.866	1.75	4/36	43.68
941157NP	1-1/2"	1.476	3.44	2.66	5.63	0.701	2.50	3.909	7.343	2.10	2/24	64.96
941158NP	2"	1.949	4.06	3.01	5.63	0.708	3.244	4.638	7.638	3.35	2/12	90.48



No	Item	Qty	Material
1	Body	1	NP Brass
2	Seat	2	PTFE
3	Ball	1	Brass CP
4	Stem	1	Brass/ NP
5	Handle Nut	1	Plated Steel
6	Lock Washer	1	Plated Steel
7	Packing Nut	1	Brass/ NP
8	Packing	1	PTFE
9	Handle	1	Plated Steel
10	Cap	1	Brass/ NP

Gas Approved



UL842, UL258, UL125, FM

CSA AGA 3.88 5 PSIG

N/P BALL VALVE W/SS TRIM

- NICKEL PLATED
- SS BALL, HANDLE, NUT & STEM
- LOCKING HANDLE
- W/APPROVALS

Features

- Vacuum service to 29 inches Hg
- Thread Conform ANSI B1.20.1
- Forged Brass Body
- Blow Out Proof Stem Design
- Packing Nut, O-RING & Packing On The Stem Seal
- Stainless Steel Ball, Handle, Nut&Stem
- Handle With Vinyl Grip

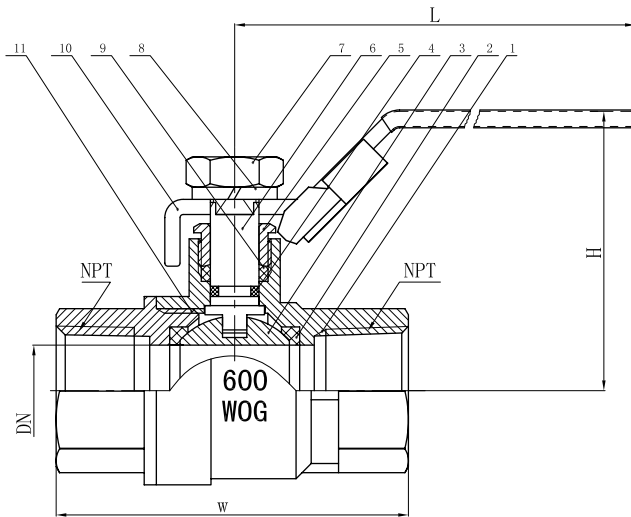
Performance rating

- 600 PSI (WOG) 150 PSI (WSP) Service
- Temperature range: -20° F to 300° F
- Made in China
- Not lead free
- No more rusty handles



- Generic Handles

Part#	Size	D	L	H	W	Cv	Wt.(lbs.)	Box/Case	List Price
941-121NP	1/4	0.394	4.48	2.11	1.73	8.23	0.326	10/120	13.12
941-122NP	3/8	0.394	4.48	2.11	1.73	8.23	0.320	10/120	13.12
941-123NP	1/2	0.591	4.48	2.60	2.24	18.55	0.474	10/100	17.20
941-124NP	3/4	0.748	4.48	2.84	2.52	29.76	0.785	10/80	26.56
941-125NP	1	0.984	4.48	3.01	2.97	51.55	1.155	8/48	39.28
941-126NP	1-1/4	1.259	5.59	3.35	3.44	84.42	1.797	4/36	64.08
941-127NP	1 1/2	1.574	5.59	3.61	3.88	131.93	2.447	2/24	83.92
941-128NP	2	1.941	5.59	3.91	4.29	200.35	3.477	2/12	116.80



Part Name	Material
Body	Brass/ Nickel Plated
Seat	PTFE
Ball	Stainless Steel
O-ring	Viton
Packing Nut	Brass/ Nickel Plated
Stem	Stainless Steel
Handle Nut	Stainless Steel
Lock Washer	Stainless Steel
Packing	PTFE
Handle	Stainless Steel
Cap	Brass/ Nickel Plated

NO MORE RUSTY HANDLES!

ITALIAN BALL VALVE

VALVES

ITALIAN BALL VALVE

• BRASS • 600WOG • FULL PORT

5 PSIG
US

UL842, UL258, UL125, FM

ISO 9002 Manufacturer
FEATURES

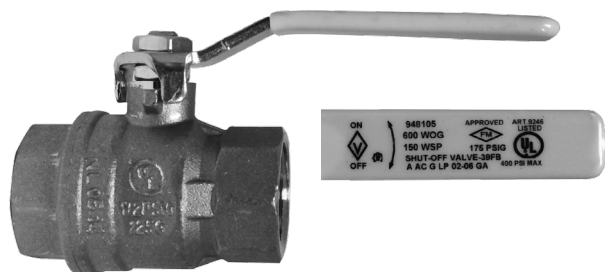
CSA AGA 3.88 5 PSIG IAMPO IGC 157 - 2004b

- **SOLID CHROME PLATED BRASS BALL**
- Suitable for full range of liquids and gases
- Minimal pressure drop due to large full size ports
- Bottom loaded, pressure retaining stem
- Pressure rated at 600psi (42 bars) WOG (non-shock) and 150 WSP (10.34 bars) saturated steam. Virgin TFE stem packing seal, thrust washer and seats.
- Yellow vinyl insulator on heavy duty plated carbon steel handles.
- Fast 1/4 turn open or close operation
- Low operating torque
- Flow can go both directions
- Generic Handles

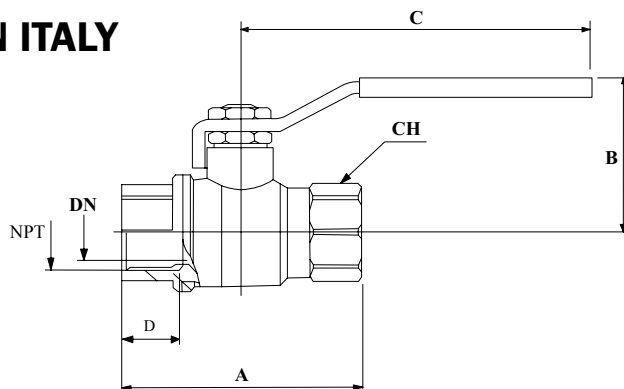
- **Adjustable stem packing gland**
- Maximum operating temperature: 248°F (120° C) at 600 PSI
- Minimum operating temperature: -20°F (-40°C)
- Each valve individually tested
- Forged Brass - for more strength
- Threaded ends to ANSI B1.20.1
- Hard chromium plated solid ball
- Bottom entry, blow-out proof stem
- Deeper threads - for better connections

• REVERSIBLE HANDLES

MADE IN ITALY



Female x Female



Part#	Size	Dimension Inches								
	NPT	DN	A	B	C	D	CH	Weight	Box/Case	List Price
943-200	1/4"	.39	1.96	1.53	3.34	.43	.75	0.36	24/96	16.37
943-201	3/8"	.39	1.96	1.53	3.31	.43	.86	0.40	20/80	16.70
943-202	1/2"	.57	2.09	1.57	3.35	.46	.98	0.44	20/80	13.99
943-203	3/4"	.75	2.28	1.77	3.80	.49	1.22	0.61	14/56	22.22
943-204	1"	.94	2.80	2.03	3.80	.59	1.50	1.14	6/24	35.22
943-205	1-1/4"	1.24	3.23	2.32	4.72	.62	1.85	1.64	4/16	55.12
943-206	1-1/2"	1.49	3.70	2.60	4.72	.64	2.13	2.60	2/8	82.18
943-207	2"	1.96	4.13	3.27	6.38	.65	2.64	3.89	2/8	120.28
942-208	2-1/2"	2.48	5.94	4.30	7.54	1.06	3.31	7.87	5	341.12
942-209	3"	2.99	6.85	5.63	8.86	1.14	3.89		3	642.48
942-210	4"	3.54	7.67	6.04	8.86	1.22	4.80		1	1123.08

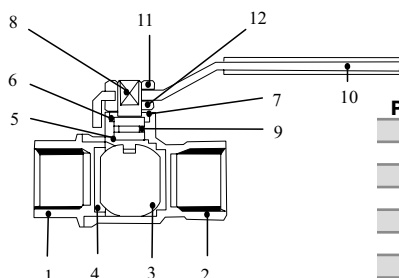
HANDLE OPTIONS

TEE HANDLES

Part #	Valve Size	List Price
43-200T	1/4" - 3/4"	3.10
43-204T	1"	4.07

LOCKING HANDLES

Part #	Valve Size	List Price
43-200L	1/4" - 3/4"	16.05
43-204L	1"	28.75
43-206L	1-1/4" - 1-1/2"	38.55
43-207L	2"	48.31



POS	Components	Materials	N
1	Body	Forged Brass	1
2	End Connection	Forged Brass	1
3	Ball	CP Brass	1
4	Ball Stems	P.T.F.E.	2
5	Stem Antif. Seat	P.T.F.E.	1
6	Stem Seat	P.T.F.E.	1
7	Brass Ring	Brass	1
8	Stem	Brass	1
9	O-Ring	NBR 80	1
10	Handle	Steel	1
11	Nut	Steel	1
12	Nut	Brass	1

• Not Lead Free AB1953 Compliant

MALE X FEMALE BRASS BALL VALVE

• 600WOG • FULL PORT



UL842, UL258

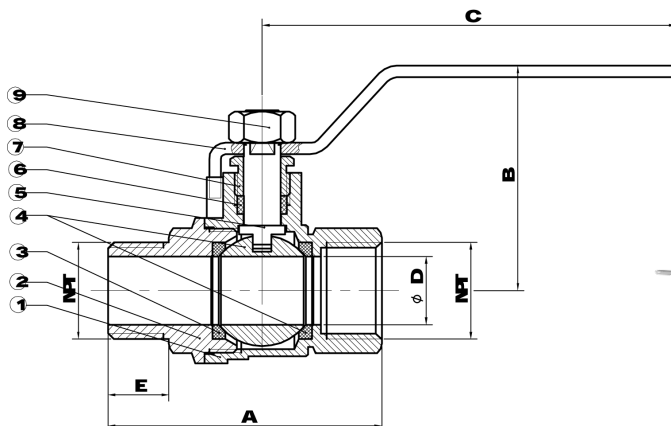
- Solid chrome plated brass ball
- Suitable for full range of liquids and gases.
- Minimal pressure drop due to large full size ports.
- Bottom loaded, pressure retaining stem.
- Pressure rated at 600psi (42 bars) WOG (non-shock) and 150psi (10.34 bars) saturated steam. Virgin TFE stem packing seal, thrust washer and seats.
- Yellow vinyl insulator on heavy duty plated carbon steel handles.
- Fast 1/4 turn open or close operation.
- Flow both directions.
- Low operating torque.
- Adjustable stem packing gland.
- Generic Handles

- Maximum operating temperature: 248°F (120°C)
- Minimum operating temperature: -20°F (-40°C)
- Each valve individually tested.
- Forged Brass - for more strength.
- Threaded ends to ANSI B1.20.1
- Hard chromium plated solid ball
- Bottom entry, blow-out proof stem.
- Made in China



• Not Lead Free

Part#	Size	NPT	A	B	C	D	E	Weight	Box/Case	List Price
948-170	1/4	1/4 - 18	2.016	1.689	2.756	0.315	0.457	0.29	70/140	9.75
948-171	3/8	3/8 - 18	2.094	1.732	3.543	0.394	0.457	0.33	70/140	10.01
948-172	1/2	1/2 - 14	2.343	1.941	3.543	0.583	0.520	0.47	50/100	12.17
948-173	3/4	3/4 - 14	2.618	2.106	3.780	0.748	0.563	0.68	30/60	18.13
948-174	1	1 - 11.5	3.000	2.579	4.528	0.945	0.630	1.47	20/40	26.81
948-175	1-1/4	1-1/4 - 11.5	3.563	2.953	4.528	1.260	0.709	1.61	12/24	39.24
948-176	1-1/2	1-1/2 - 11.5	3.965	3.346	5.512	1.575	0.717	2.50	9/18	58.37
948-177	2	2 - 11.5	4.496	3.681	5.512	1.969	0.748	3.48	6/12	84.55



POS	Components	Materials
1	Body	C37700
2	End Cap	CS7700
3	Ball Seat	PTFE
4	Ball	CS7700
5	Stem	CS7700
6	Stem Reducing	PTFE
7	Reducing Nut	CS7700
8	Lever Handle	1008
9	Stem Nut	A570 Gr.A



Locking Handle option
see pg. 184



Tee handle option
see pg. 183

ITALIAN MALE X FEMALE BALL VALVE

VALVES

ITALIAN MALE X FEMALE BALL VALVE

• BRASS • 600WOG • FULL PORT

Gas Approved



CSA AGA 3.88 5 PSIG



UL842, UL258, UL125, FM

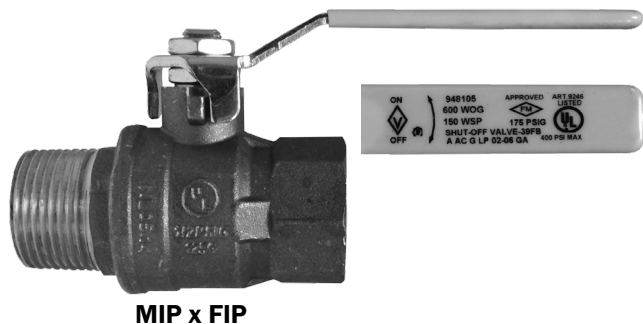
Made in Italy

ISO 9002 Manufacturer
FEATURES

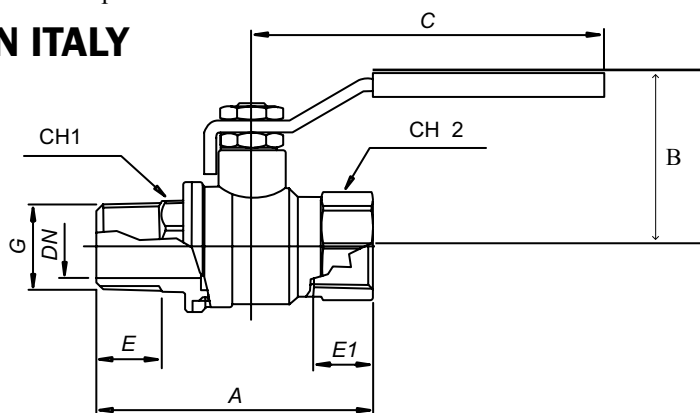
- Solid chrome plated brass ball
- Suitable for full range of liquids and gases.
- Minimal pressure drop due to large full size ports.
- Bottom loaded, pressure retaining stem.
- Pressure rated at 600psi (42 bars) WOG (non-shock) and 150psi (10.34 bars) saturated steam. Virgin TFE stem packing seal, thrust washer and seats.
- Yellow vinyl insulator on heavy duty plated carbon steel handles.
- Fast 1/4 turn open or close operation.
- Generic Handles

- Low operating torque.
- Adjustable stem packing gland.
- Maximum operating temperature: 248°F (120°C) at 600 p.s.i
- Minimum operating temperature: -20°F (-40°C)
- KV: Pressure drop m^3/h .
- Each valve individually tested.
- Forged Brass - for more strength.
- Threaded ends to ANSI B1.20.1
- Hard chromium plated solid ball
- Bottom entry, blow-out proof stem.
- Deeper threads - for better connections.

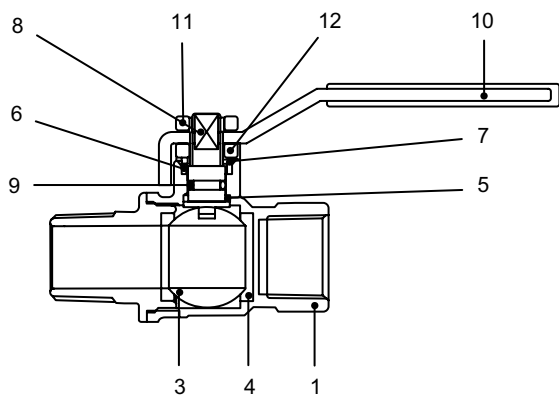
MADE IN ITALY



MIP x FIP



Part#	Size	DN	A	B	C	E	E1	CH1	CH2	Weight	Box/Case	List Price
948-101	1/4	.39	2.18	1.53	3.34	.39	.43	.55	.75	0.35	24/96	16.73
948-102	3/8	.39	2.20	1.53	3.34	.43	.43	.71	.86	0.40	24/96	18.20
948-103	1/2	.57	2.54	1.57	3.35	.53	.46	.87	.98	0.50	14/56	17.89
948-104	3/4	.75	2.75	1.77	3.80	.55	.49	1.12	1.22	0.68	12/48	27.44
948-105	1	.94	3.23	2.03	3.80	.69	.59	1.34	1.50	1.18	6 /24	41.99
948-106	1-1/4	1.24	3.76	2.32	4.72	.71	.62	1.69	1.85	1.70	4/16	69.78
948-107	1-1/2	1.49	4.11	2.60	4.72	.73	.64	2.20	2.13	2.72	2/8	95.50
948-108	2	1.96	4.72	3.27	6.38	.85	.65	2.40	2.64	3.84	1/4	153.78



POS	Components	Materials	N
1	Body	CW617N Forged Brass	1
2	End Connection	CW617N Forged Brass	1
3	Ball	CW617N CP Brass	1
4	Ball Stems	P.T.F.E.	2
5	Stem Antif. Seat	P.T.F.E.	1
6	Stem Seat	P.T.F.E.	1
7	Brass Ring	CW617N Brass	1
8	Stem	CW617N Brass	1
9	O-Ring	NBR 80	1
10	Handle	UNI EN 10025 Steel	1
11	Nut	UN 5771 Steel	1
12	Nut	CW617N Brass	1

• Not Lead Free

TEE HANDLE BALL VALVE - MALE X FEMALE



UL842, UL258

NEW

Features

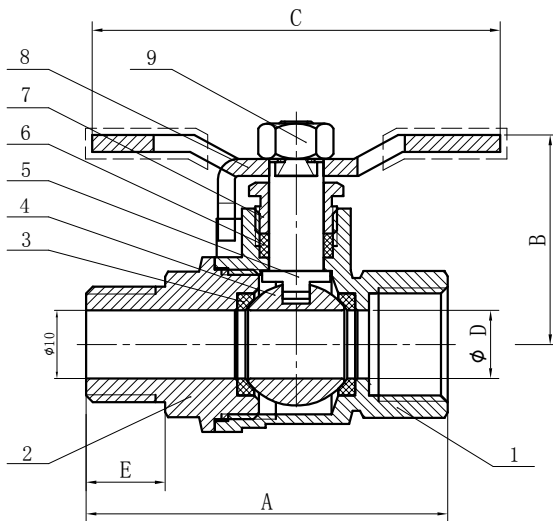
- Thread conform ANSI B1.20.1
- Forged brass body
- Blow out proof stem design
- Packing nut, O-Ring and packing on the stem seal
- Chrome Plated Brass Ball
- Handle with vinyl grip

Performance rating

- 600 PSI (WOG) 150 PSI (WSP) Service
- Temperature range: -20° F to 300° F
- Made in China
- Not lead free



Part#	Size	Dimension Inches					Weight	Box/Case	List Price
	NPT	A	B	C	D	E			
948-170T	1/4"	2.016	1.169	2.362	0.315	0.457	0.30	70/140	9.78
948-171T	3/8"	2.094	1.213	2.362	0.394	0.457	0.33	70/140	9.96
948-172T	1/2"	2.343	1.461	2.953	0.583	0.520	0.49	50/100	12.54
948-173T	3/4"	2.618	1.606	2.953	0.748	0.563	0.73	30/60	19.70
948-174T	1"	3.000	1.921	3.701	0.945	0.630	1.16	20/40	29.39
948-175T	1-1/4"	3.563	2.303	3.701	1.260	0.709	1.70	12/24	47.61
948-176T	1-1/2"	3.965	2.717	4.331	1.575	0.717	2.46	9/18	65.73
948-177T	2"	4.496	3.051	4.331	1.969	0.748	3.61	6/12	93.19



Item	Part	Materials
1	Body	Brass
2	End Cap	Brass
3	Ball Seat	PTFE
4	Ball	C/P Brass
5	Stem	Brass
6	Stem Packing	PTFE
7	Packing Nut	Brass
8	T-Handle	Nickel plating steel
9	Stem Nut	Brass plating steel

LOCKING HANDLE M X F BALL VALVES

VALVES

LOCKING HANDLE BALL VALVES - FEMALE X MALE



UL842, UL258

NEW

Features

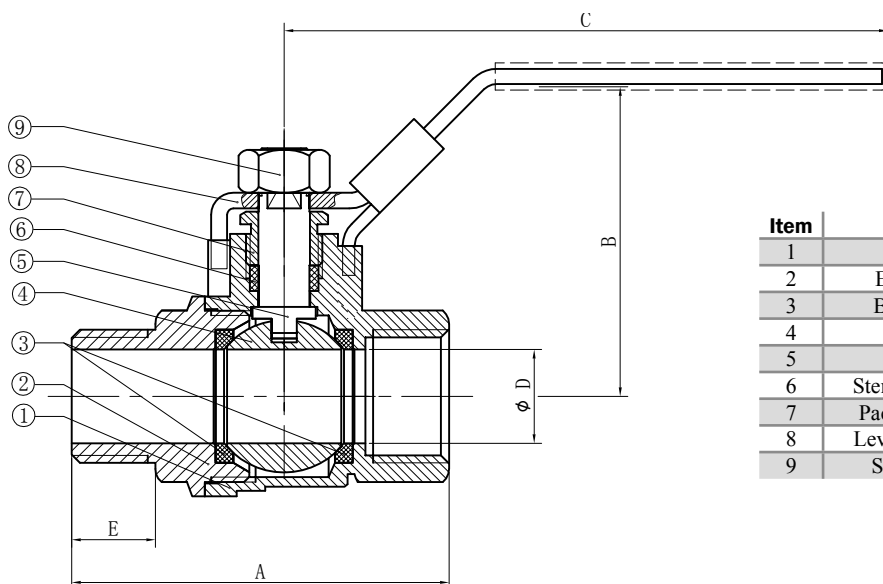
- Thread conform ANSI B1.20.1
- Forged brass body
- Blow out proof stem design
- Packing nut, O-Ring and packing on the stem seal
- Chrome Plated Brass ball
- Handle with vinyl grip

Performance rating

- 600 PSI (WOG) 150 PSI (WSP) Service
- Temperature range: -20° F to 300° F
- Made in China
- Not lead free



Part#	Size	Dimension Inches					Weight	Box/Case	List Price
	NPT	A	B	C	D	E			
948-170L	1/4"	2.016	1.732	3.543	0.315	0.457	0.32	70/140	10.29
948-171L	3/8"	2.094	1.732	3.543	0.394	0.457	0.37	70/140	10.49
948-172L	1/2"	2.343	1.941	3.543	0.583	0.520	0.50	50/100	13.20
948-173L	3/4"	2.618	2.106	3.78	0.748	0.563	0.77	30/60	20.73
948-174L	1"	3.000	2.579	4.528	0.945	0.630	1.21	20/40	30.94
948-175L	1-1/4"	3.563	2.961	4.528	1.260	0.709	1.74	12/24	49.04
948-176L	1-1/2"	3.965	3.366	5.512	1.575	0.717	2.58	9/8	67.71
948-177L	2"	4.496	3.701	5.512	1.969	0.748	3.73	6/12	95.98



Item	Part	Materials
1	Body	Brass
2	End Cap	Brass
3	Ball Seat	PTFE
4	Ball	C/P Brass
5	Stem	Brass
6	Stem Packing	PTFE
7	Packing Nut	Brass
8	Lever Handle	Nickel plating steel
9	Stem Nut	Brass plating steel

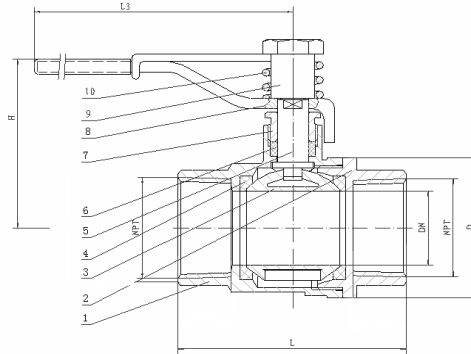
VALVES

SPRING HANDLE/ RIGHT ANGLE

BRASS SPRING HANDLE BALL VALVE

Working pressure: 600 PSI for brass
 Temperature Range: -40°F to 365°F (-40°C to +185°C)
 Material: Brass
 Spring Lever Handle w/Vinyl Grip
 Made in China
 Not lead free

NEW



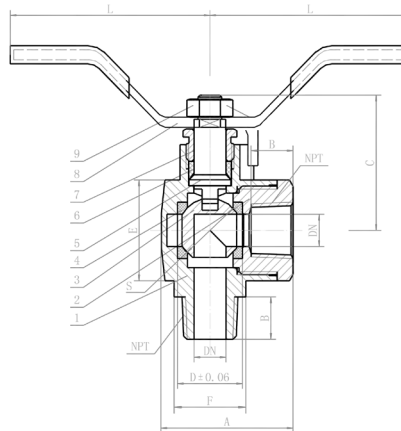
Part #	Part Name	Material
1	Body	Brass
2	Bonnet	Brass
3	Ball	Brass
4	Sealing Seat	PTFE
5	Stem	Stainless Steel
6	Packing Ring	PTFE
7	Gland	Brass
8	Handle	Stainless Steel
9	Bolt	Brass
10	Spring	Stainless Steel

Item#	Size	L	D	DN	H	L3	WTG	Box/Case	List Price
947-103	1/2"	2.19	1.24	0.59	2.24	3.92	0.54	10/80	36.79
947-104	3/4"	2.38	1.5	0.75	2.36	3.92	0.72	6/48	42.90
947-105	1"	3.23	1.91	0.98	2.71	4.49	1.11	6/36	52.71

RIGHT ANGLE BRASS BALL VALVE

Working pressure: 250PSI
 Temperature Range -40° to 400°F(-40 °C to +205 °C)
 With lever Handle Teflon seats 2-pc,full port Heavy Duty forged Body Steel Handle w/Vinyl Grip-
 Made in China
 Not lead free

NEW



Part #	Part Name	Material
1	Body	Brass
2	Cap	Brass
3	Ball	Brass
4	Seat	PTFE
5	Stem	Brass
6	Stuffing	PTFE
7	Packing Nut	Brass
8	Handle	Steel
9	Nut	Brass

Part #	Size	A	B	C	D	S	DN	L	E	F	WTG	Box/Case	List Price
947-111	1/4	1.59	0.41	1.40	0.64	0.63	0.32	3.15	0.98	0.65	0.34	10/120	15.14
947-112	3/8	1.59	0.41	1.40	0.73	0.71	0.39	3.15	0.98	0.65	0.36	10/120	15.14
947-113	1/2	1.73	0.55	1.40	0.79	0.87	0.55	3.15	1.08	0.83	0.55	10/120	24.11

3-WAY AND SAFETY EXHAUST BALL VALVES

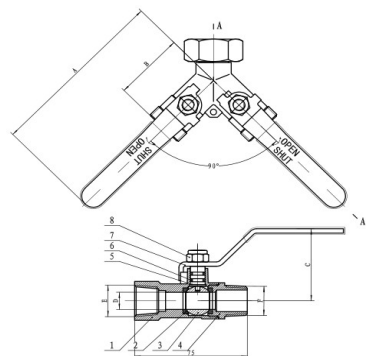
VALVES

3-WAY WYE BRASS BALL VALVE, VENTED AND UNVENTED

- Max. pressure: W.O.G. (water, oil, inert gas)
Unvented Valve: 600psi@70°F
Vented Valve: 250psi@70°F
W.S.P. (working steam pressure)
Unvented Valve: 150psi@365°F
Vented Valve: Not related
- Vacuum Rating: 29"Hg
- Temperature Range: -40° to 365°F
- Ports: Full

NEW

Part#	Part Name	Material
1	Body	Brass Nickel Plated
2	Seat	PTFE
3	Ball	Brass, Cr. Plated
4	Cap	Brass Nickel Plated
5	Stem	Brass
6	O-Ring	Viton
7	Handle	Steel
8	Nut	Steel



Designed for the portable air compressor industry, these valves control the flow of water, oil, and inert gases in two direction and are great for mixing and diverting. They have a single female inlet and two male outlets with two ball valves. Valves are Brass Nickel Plated and have chrome-plated brass balls, brass blow-out proof stems, PTFE seats and seals, and steel lever handles with vinyl grips. Vented valves has a drilled hole on the two valve balls and body that vents compressed air in the line when valve is closed. Connections: 1"NPT female inlet and 3/4"NPT male outlet. • Made in China • Not lead free



NON-VENTED



VENTED

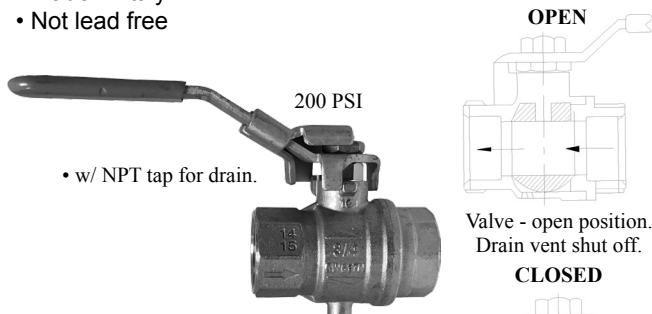
Part #	Ball	E	F	A	B	C	D	G	WTG	Box/Case	List Price
947-125	Non-vented	1" Female	3/4" Male	5.18"	2.5"	2.05"	0.59"	90°	1.53	2/24	51.28
947-126	Vented								1.48	2/24	52.97

EXHAUST VALVES

AUTOMATIC DRAIN & LATCH LOCK HANDLE

Full port hot forged brass ball valve, blow-out proof stem, downstream automatic vent with lockable handle in compliance with OSHA requirements.

- Maximum working pressure: 200 PSI (CWP).
- Temperature rating: -4°F through +350°F.
- Made in Italy
- Not lead free



Part#	Size	List Price
948-131	1/4"	54.96
948-132	3/8"	58.30
948-133	1/2"	60.87
948-134	3/4"	83.43
948-135	1"	92.11

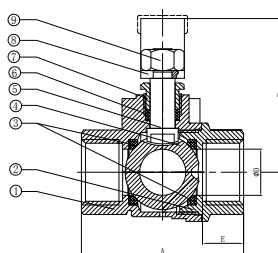
Valve - closed and draining occurs. Upstream seat prevents air flow. Downstream system is vented to atmosphere.

SAFETY EXHAUST BALL VALVE

- Threaded - Two Piece Body - Full Port
- Vented
- Blow-out Proof Stem - PTFE Seats
- 400 PSI WOG
- To Exhaust and Downstream Air in the Closed Position w/ locking lever handle.
- Made in China • Not lead free



Part #	Size	A	B	D	E	List Price
948-141	1/4"	1.756	1.732	0.394	0.457	11.34
948-142	3/8"	1.756	1.732	0.394	0.457	10.38
948-143	1/2"	2.047	1.941	0.583	0.520	14.88
948-144	3/4"	2.362	2.126	0.748	0.563	22.98



MATERIAL LIST

Item	Part	Material
1	Body	Brass
2	End Cap	Brass
3	Ball Seat	PTFE
4	Ball	Brass
5	Stem	Brass
6	Stem Packing	PTFE
7	Packing Nut	Brass
8	Lever Handle	Nickel plating steel
9	Stem Nut	Nickel plating steel

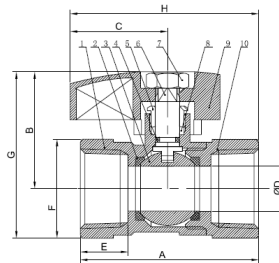
GAS BALL VALVES

 5 PSIG
C US
CSA AGA 3.88 5 PSIG

Manual Valve
 LISTED
Threaded NPT
UL 842, UL 258, UL 125

ISO 9002 Manufacturer
FEATURES

- Material: C37700
- Forged brass, Regular port, Thread*Flare Thread
- Thread ends in ANSI B1.20.1
- Working temperature: 0-65°(32-149°)
- Pressure :1/2PSI;5PSI;
- ASEM B16.44/CR91; ANSI Z21.15/CSA9.1
- UL 125 For LP-Gas 125psig
- Made in China



10	BALL VALVE CAP	1	BRASS
9	HANDLE	1	AL-alloy
8	PACKING	1	PTFE
7	HANDLE NUT	1	PLATED STEEL
6	STEM	1	BRASS
5	PACKING NUT	1	BRASS
4	O-RING	1	NBR
3	BALL	1	BRASS
2	SEALING WASHER	2	PTFE
1	BALL VALVE BODY	1	BRASS
NO.	ITEM	TOTAL	MATERIAL

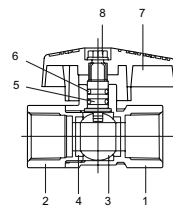
GAS BALL VALVE (2-Piece)
FEMALE x FEMALE

Part#	Size	WTG	Box/Case	List Price
943-311	3/8"	0.35	10/100	7.35
943-312	1/2"	0.44	10/100	7.35
943-313	3/4"	0.62	10/100	10.80

SIZE	øD	A	B	C	E	F	G	H
3/8"	0.394	1.752	1.437	1.28	0.472	0.945	1.909	2.146
1/2"	0.394	2.204	1.437	1.28	0.606	1.043	1.961	2.461
3/4"	0.591	2.362	1.535	1.28	0.626	1.299	2.815	2.476

- For use with natural, manufactured, mixed liquified. petroleum and LP gas-air mixtures.
- Deeper thread connections. Smooth quarter-turn.
- Manufactured to ANSI Z21.15, C.G.A. 9.1-M81, 9.2-M88, 1/2 psig. 372 also to A.G.A.3-8, C.G.A. CR91-002, 2 psig.
- Solid chrome plated brass ball
- Bottom entry
- Blow out proof design.
- Double viton o-rings stem seals
- Teflon seats for durability.
- Forged construction for greater strength.
- Larger ports for increased flow capacity.
- Red Reversible handle.
- May be used with water 400 WOG.

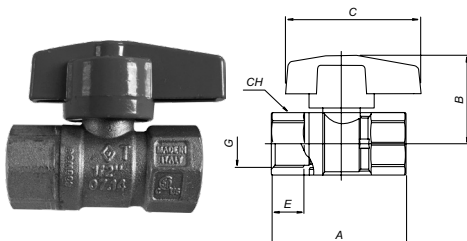
MADE IN ITALY



	Components	Materials
1	Body	Forged Brass
2	End Connection	Forged Brass
3	Ball	Forged Brass
4	Ball Seats	P.T.F.E.
5	Stem	Brass
6	O-Ring	NBR
7	Butterfly	Steel
8	Screw	UNI 5771 Steel

 5 PSIG
C US
CSA AGA 3.88 5 PSIG

Manual Valve
 LISTED
Threaded NPT
UL 842, UL 258, UL 125

GAS BALL VALVES
FEMALE x FEMALE

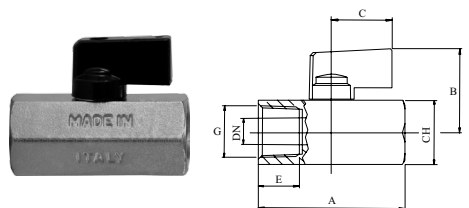
Part#	Size	Dimension Inches						PN in psi	WTG	Box/ Case	List Price
	G	DN	A	B	C	E	CH				
943-212	1/2"	.47	2.26	1.45	2.28	.55	.98	600	0.33	20/80	13.57
943-213	3/4"	.59	2.48	1.57	2.28	.57	1.22	600	0.45	14/56	19.69

CHROME PLATED BRASS MINI BALL VALVE**VALVES****ITALIAN CHROME PLATED BRASS MINI BALL VALVE**

ISO 9002 Manufacturer

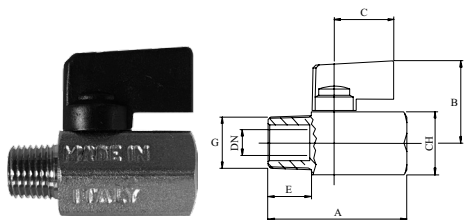
FEATURES

- Solid chrome plated brass ball
- Max working pressure 235 psi will handle 300psi@75° F
- Longer body style for longer, deeper thread connections
- One piece drawn sand blasted chrome plated body.
- Each valve is seal tested for maximum safety.
- Double seal system allows valve to be operated in both directions making installation easier.
- Blowout-proof brass stem.
- NPT taper ANSI B1.20.1 threads.
- 32°F to +176°F temperature.
- 1/4 Turn Aluminium handle with mechanical stop.
- NSF Approved valves available upon request!
- Not lead free

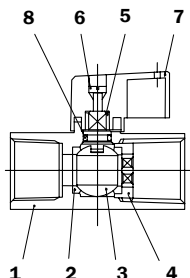
Female x Female

Made in Italy

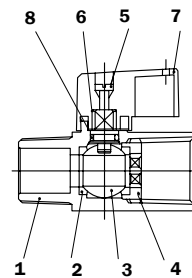
Part#	Size		Dimension Inches							
	G	DN	A	B	C	E	CH	WTG	Box/Case	List Price
46-922 I	1/4"	0.31	1.81	1.17	0.9	0.51	0.83	0.24	50/200	15.16
46-923 I	3/8"	0.31	1.85	1.17	0.9	0.51	0.83	0.22	50/200	15.16
46-924 I	1/2"	0.39	2.18	1.26	0.9	0.61	0.98	0.32	30/120	17.52

Male x Female

Part#	Size		Dimension Inches							
	G	DN	A	B	C	E	CH	WTG	Box/Case	List Price
46-903 I	1/4"	0.31	1.75	1.17	0.9	.40	0.83	0.20	50/200	14.84
46-904 I	3/8"	0.31	1.81	1.17	0.9	.41	0.83	0.20	50/200	14.84
46-905 I	1/2"	0.39	2.14	1.26	0.9	.52	0.98	0.30	40/160	16.45



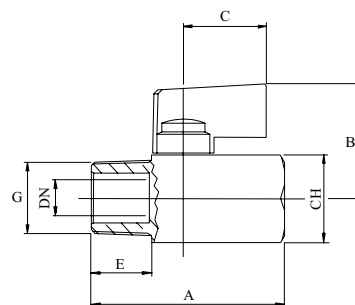
POS	Components	Materials	N
1	Body	CW517N Forged Brass	1
2	Ball Seats	P.T.F.E	2
3	Ball	CW517N CP Brass	1
4	Ring Unit	CW614N Brass	1
5	Stem	CW614N Brass	1
6	Screw	UNI 5771 Steel	1
7	Handle	Aluminum	1
8	O-Ring	NBR 80	1

**YELLOW BRASS 1/4" MINI MALE X FEMALE VALVE**

- Proprietary seal design extreme for low & high temperature applications
- -76° to +248°F temperature.
- Nominal working pressure 235 psi will handle 300psi@75° F
- One piece drawn sand blasted brass plated body. Solid chrome plate brass ball
- Double seal system allows valve to be operated in both directions making installation easier.
- Blowout-proof brass stem.
- NPT taper ANSI B1.20.1 threads.
- 1/4 TURN BLACK METAL HANDLE WITH MECHANICAL STOP.

**MALE x FEMALE**

MADE IN ITALY



Part#	Size		Dimension Inches						
	NPT	DN	A	B	C	E	CH	CASE	List Price
46-903ISB	1/4"	0.315	1.75	1.18	1.24	0.48	0.83	200	5.90

MINI BALL VALVES

- Chrome plated forged brass body
- Chrome plated brass ball
- NPT taper ANSI B1.20.1 threads*
- 450 PSI working pressure
- At 212°F - 355 PSI
- At 356°F - 142 PSI
- 1/4 Turn Alumzinc handle
- Not lead free
- Made in China



FEMALE X FEMALE - FLAG HANDLE

Part #	Size	Dimensions (In)				Wt lbs	Box/Case	List Price
		A	D(FLOW)	F	G			
46-934	1/8	1.57	0.24	0.93	1.46	0.21	20/300	7.56
46-935	1/4	1.57	0.31	0.93	1.46	0.20	20/300	7.56
46-936	3/8	1.57	0.28	0.93	1.46	0.22	20/300	8.27
46-937	1/2	1.77	0.35	0.93	1.56	0.24	20/200	8.57

MINI BALL VALVES W/VITON SEALS



FEMALE X FEMALE - LEVER HANDLE

Part #	Size	Dimensions (In)				Wt lbs	Box/Case	List Price
		A	D(FLOW)	F	G			
46-934L	1/8	1.57	0.24	1.99	1.50	0.21	20/300	8.23
46-935L	1/4	1.57	0.31	1.99	1.50	0.20	20/300	7.33
46-936L	3/8	1.57	0.28	1.99	1.50	0.22	20/300	6.79
46-937L	1/2	1.77	0.35	1.99	1.59	0.24	20/200	8.61



FEMALE X FEMALE - TEE HANDLE

Part #	Size	Dimensions (In)				Wt lbs	Box/Case	List Price
		A	D(FLOW)	F	G			
46-934LT	1/8	1.57	0.24	1.34	1.43	0.21	20/300	8.13
46-935LT	1/4	1.57	0.31	1.34	1.43	0.20	20/300	7.23
46-936LT	3/8	1.57	0.28	1.34	1.43	0.22	20/300	6.70
46-937LT	1/2	1.77	0.35	1.34	1.52	0.24	20/200	8.51

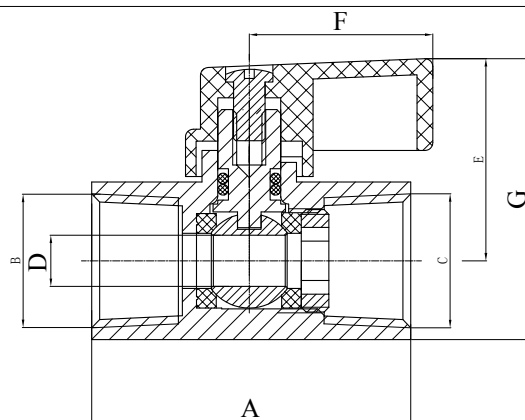
NEW

FEMALE X FEMALE - SCREWDRIVER

Part #	Size	Dimensions (In)		Wt lbs	Box/Case	List Price
		A	D(FLOW)			
46-934LS	1/8	1.57	0.24	0.21	20/300	7.48
46-935LS	1/4	1.57	0.31	0.20	20/300	6.57
46-936LS	3/8	1.57	0.28	0.22	20/300	6.04
46-937LS	1/2	1.77	0.35	0.24	20/200	7.85

* BSPP Threads available with extended delivery, same cost.

- Not lead free



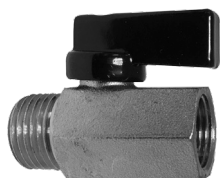
Pos	Components	Materials	N
1	Body	CP Forged Brass	1
2	Ball Seats	P.T.F.E.	2
3	Ball	CP Brass	1
4	Ring Unit	Brass	1
5	Stem	Brass	1
6	O-Ring - flag handle	NBR 80	1
6	O-Ring - all others	Viton	1
7	Handle	Alumzinc	1
8	Screw	Steel	1

MINI BALL VALVE

VALVES

MINI BALL VALVES

- Chrome plated forged brass body
- Chrome plated brass ball
- NPT taper ANSI B1.20.1 threads*
- 450 PSI working pressure
- At 212°F - 355 PSI
- At 356°F - 142 PSI
- 1/4 Turn Alumzinc handle
- Not lead free
- Made in China



MALE X FEMALE - FLAG HANDLE

Part #	Size	Dimensions (In)				Wt lbs	Box/ Case	List Price
		A	D(FLOW)	F	G			
46-930	1/8	1.57	0.24	0.93	1.46	0.17	20/300	7.56
46-931	1/4	1.57	0.31	0.93	1.46	0.15	20/300	7.56
46-932	3/8	1.57	0.28	0.93	1.46	0.21	20/300	8.27
46-933	1/2	1.77	0.35	0.93	1.56	0.24	20/200	8.57

MINI BALL VALVES W/VITON SEALS

NEW

MALE X FEMALE - LEVER HANDLE



Part #	Size	Dimensions (In)				Wt lbs	Box/ Case	List Price
		A	D(FLOW)	F	G			
46-930L	1/8	1.57	0.24	1.99	1.50	0.17	20/300	6.50
46-931L	1/4	1.57	0.31	1.99	1.50	0.15	20/300	6.20
46-932L	3/8	1.57	0.28	1.99	1.50	0.21	20/300	6.20
46-933L	1/2	1.77	0.35	1.99	1.59	0.24	20/200	8.17

NEW

MALE X FEMALE - TEE HANDLE



Part #	Size	Dimensions (In)				Wt lbs	Box/ Case	List Price
		A	D(FLOW)	F	G			
46-930T	1/8	1.57	0.24	1.34	1.46	0.17	20/300	6.42
46-931T	1/4	1.57	0.31	1.34	1.46	0.15	20/300	6.11
46-932T	3/8	1.57	0.28	1.34	1.46	0.21	20/300	6.11
46-933T	1/2	1.77	0.35	1.34	1.56	0.24	20/200	8.07

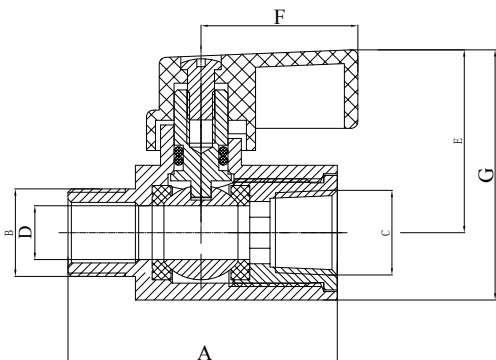
NEW

MALE X FEMALE - SCREWDRIVER

Part #	Size	Dimensions (In)		Wt lbs	Box/ Case	List Price
		A	D(FLOW)			
46-930S	1/8	1.57	0.24	0.17	20/300	5.76
46-931S	1/4	1.57	0.31	0.15	20/300	5.45
46-932S	3/8	1.57	0.28	0.21	20/300	5.45
46-933S	1/2	1.77	0.35	0.24	20/200	7.42

* BSPP Threads available with extended delivery, same cost.

• Not lead free



Pos	Components	Materials	N
1	Body	CP Forged Brass	1
2	Ball Seats	P.T.F.E.	2
3	Ball	CP Brass	1
4	Ring Unit	Brass	1
5	Stern	Brass	1
6	O-Ring - flag handle	NBR 80	1
6	O-Ring - all others	Viton	1
7	Handle	Alumzinc	1
8	Screw	Steel	1

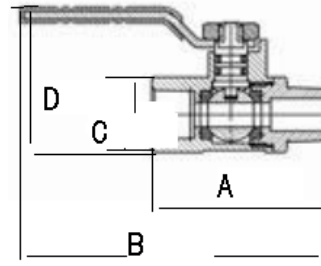
VALVES

FORGED BRASS MINI BALL VALVES

FORGED BRASS MINI-BALL VALVES

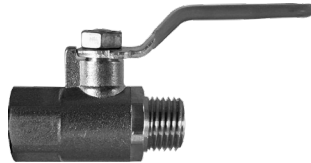
- 180° operational handle, blow out proof stem. Stem with double “O” Rings
- 200 WOG
- Temp rating -20°F - 250°F
- Generic Handles
- Not lead free

NO	Part Name	Material	QTY
1	Nut	Steel	1
2	Handle	Steel	1
3	Cover	PVC	1
4	O-Ring	NBR	2
5	Stem	Brass	1
6	Body	Brass	1
7	Seat	Teflon	2
8	Ball Disc	Brass	1
9	End Plug	Brass	1



FEMALE x FEMALE

	Part #	Size	A	B	C	D	List Price
NEW	944-113	1/8	1.53	2.80	0.73	1.42	7.12
	944-116	1/4	1.53	2.80	0.73	1.42	8.25
NEW	944-117	3/8	1.73	2.90	0.87	1.50	8.77
NEW	944-140	1/2	2.07	3.08	0.98	1.45	9.90



FEMALE x MALE

	Part #	Size	A	B	C	D	List Price
	944-106	1/8	1.69	3.02	0.73	1.46	10.30
	944-100	1/4X1/8	1.70	3.00	0.73	1.44	13.70
	944-101	1/4	1.70	3.00	0.73	1.46	11.99
NEW	944-103	3/8	1.78	3.02	0.87	1.50	9.00
	944-102	3/8X1/4	1.72	2.90	0.89	1.66	10.12
NEW	944-104	1/2	2.34	3.35	0.98	1.45	10.65



MALE x MALE

	Part #	Size	A	B	C	D	List Price
NEW	944-107	1/8	1.82	2.94	0.65	1.42	7.50
NEW	944-109	1/4	1.82	2.94	0.65	1.42	7.88
NEW	944-110	3/8	1.90	2.98	0.73	1.42	8.25
	944-112	1/2	2.17	4.62	0.89	2.05	12.87



HOSE BARB x MALE

	Part #	Size	A	B	C	D	List Price	
	944-132	1/4X1/8	2.05	2.91	0.73	1.51	5.70	NEW
	944-138	1/4X1/4	2.05	2.98	0.73	1.51	8.00	
	944-128	3/8X1/4	2.08	3.04	0.73	1.51	7.51	
	944-130	3/8X3/8	2.12	3.06	0.73	1.51	6.15	NEW
	944-139	1/2X1/2	2.15	3.19	0.73	1.51	9.90	NEW



HOSE BARB x FEMALE

	Part #	Size	A	B	C	D	List Price
	944-135	1/8X1/8	1.78	2.34	0.62	1.38	10.30
	944-136	1/4X1/4	1.97	2.87	0.73	1.55	9.53



HOSE BARB x HOSE BARB

	Part #	Size	A	B	C	D	List Price
	944-142	1/4X1/4	2.49	3.19	0.73	1.55	10.73
	944-134	3/8X3/8	2.49	3.18	0.73	1.55	10.88

LEAD FREE

	Part #	Size	A	B	C	D	List Price
	944-142LF	1/4	2.49	3.19	0.73	1.55	10.73
	944-134LF	3/8	2.49	3.18	0.73	1.55	10.88

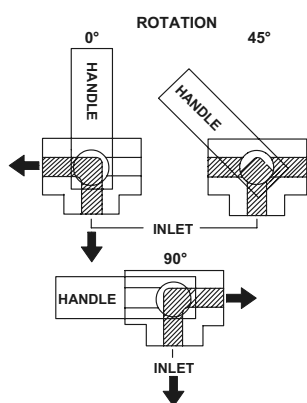
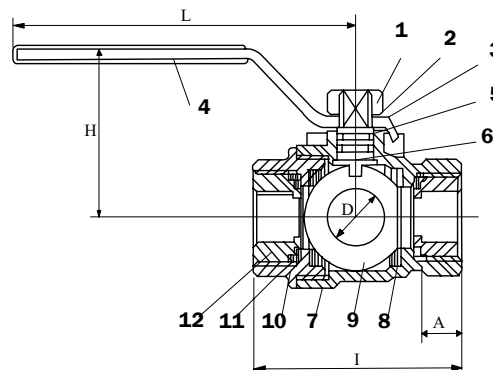
3-WAY BALL VALVE**VALVES****SIDE OUTLET 3-WAY BALL VALVE**

• BRASS • 600WOG • FULL PORT

- Forged Brass
- 600 WOG
- Temp Rating 0-230°F



• Side outlet



- Full Port
- Blow-out proof stem
- double o-ring stem packing
- PTFE Seal
- Made in China
- Not lead free

Nomenclature & Materials

NO	Part Name	Material	Qty
1	Nut	Steel	1
2	Spring Washer	Steel	1
3	Handle	Steel	1
4	Cover	PVC	1
5	O-Ring	NBR	2
6	Stem	Brass	1
7	Body	Forged Brass	1
8	Seat	Teflon	2
9	Ball Disc	Brass	1
10	End Plug	Brass	1
11	O-Ring	NBR	3
12	Socket	Brass	3

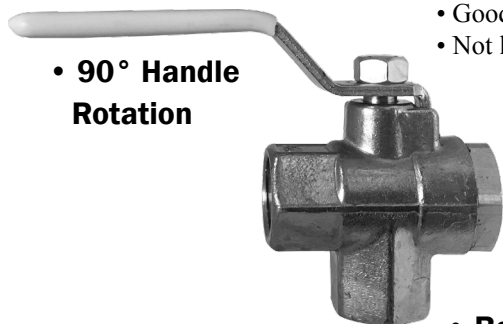
Part#	Size	I	H	D	L	A	WTG	Box/Case	List Price
940-464	1/4"	1.89	1.73	0.39	3.35	0.47	0.61	50/100	42.45
940-465	3/8"	1.89	1.73	0.39	3.35	0.47	0.57	50/100	44.17
940-461	1/2"	2.11	1.80	0.50	3.35	0.51	0.65	30/60	35.20
940-462	3/4"	2.56	2.16	0.74	4.41	0.55	0.78	20/40	57.18

BOTTOM OUTLET 3 WAY BALL VALVE

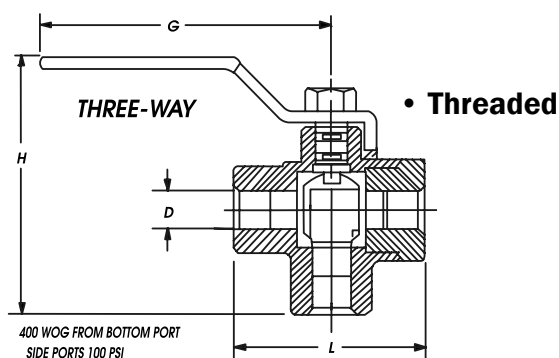
- Forged Brass
- Bottom Port is inlet 400 psi
- Side Ports are inlet 100 psi

- Double O-Ring Seal
- Blow out proof stem
- Made in USA
- Threaded ports
- Good for propane
- Not lead free

• 90° Handle Rotation



• Bottom outlet

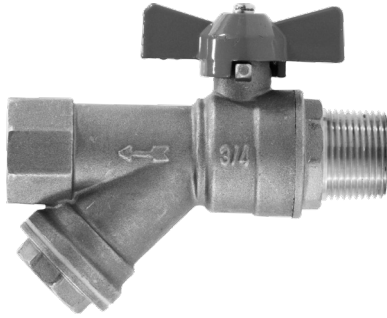


Part#	Size	D	G	H	L	Cv	WTG	List Price
940-121	1/4"	.44	3.50	3.12	2.25	5.2	0.76	58.45
940-122	3/8"	.50	3.50	3.12	2.25	5.5	0.69	54.10
940-123	1/2"	.50	3.50	3.12	2.25	5.5	1.00	61.36

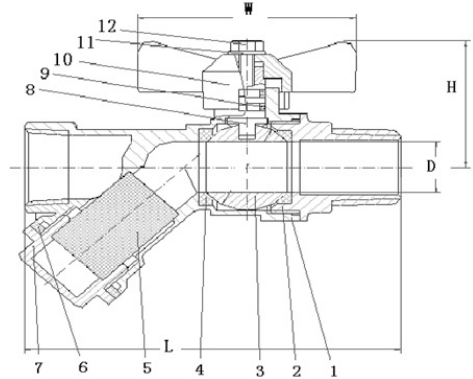
BRASS BALL VALVE WITH STRAINER

NEW

All-in-One design for economical ,compact and convenient .With stamped stainless Steel Screen . 600PSI WOG Forged brass body,Crome plated ball ,PTFE ball seats and cap seal , and rubber o-ring stem seals. Not lead free



Part #	Part Name	Material
1	Body	Brass
2	Caps	Brass
3	Ball	Brass,Cr.Plated
4	Seat	PTFE
5	Filter	SS
6	Gasket	PTFE
7	Caps	Brass
8	Stem	Brass
9	O-Ring	Viton
10	Handle	Zinc
11	Spring Washer	S.S
12	Nut	Steel



Item#	Size	L	D	B	H	WTG	Box/Case	List Price
947-133	1/2"x1/2"(MxF)	3.39"	0.59"	2.00"	1.50"	0.60	8/64	24.70
947-134	3/4"x3/4"(MxF)	3.89"	0.75"	2.40"	1.85"	0.86	8/64	32.69

VACUUM BREAKER

- Male hose and female hose threads can be broken off for permanent attachment
- Set screw
- Vandal proof
- Rough brass construction
- Prevents back-siphonage on hoses to prevent potable water from getting contaminated
- Certified under ASSE Std. 1011
- UPC
- IAMPO



Part #	Size	List Price
947-055	3/4" x 3/4"	11.04

HOSE BIBBS
3/4" Hose Thread Outlet**IPS**

Part #	Size	WTG	Box/Case	List Price
942-170	1/2 (1/2"C)	0.33	10/100	20.15
942-171	3/4	0.35	10/100	16.10

RADIATOR AIR VALVE
COIN SLOT OR LOSSE KEY

Part #	Size	List Price
943-284	1/8" MIP	3.25
943-287	Key only	0.54

ANGLE SILLCOCKS
3/4" Hose Thread Outlet

- Notched flange for convenient installation.
- Heavy brass construction.
- Cast Iron handle.
- Not lead free

**FEMALE IPS**

Part #	Size	Box	List Price
942-142	1/2	12	21.20

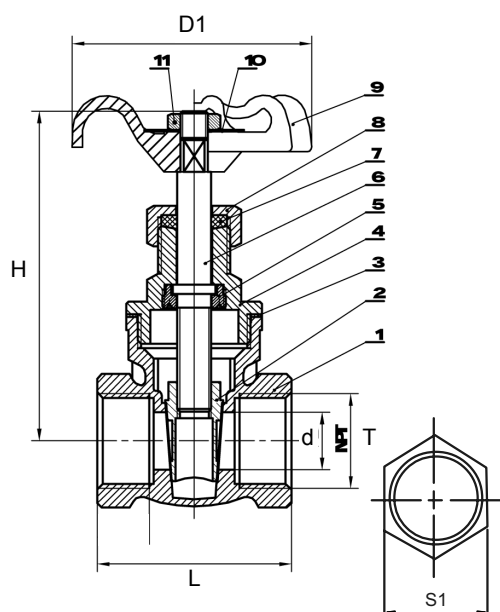
MORE PLUMBING VALVES
COMING SOON!

BRASS GATE VALVE**VALVES****BRASS GATE VALVE**• **BRASS** • **200WOG** • **FULL PORT**

- 200 WOG (cold water, oil, gas).
- 125 WSP (Saturated Steam).
- Full-port design for a better water flow.
- Screw-in Bonnet - Non-Rising Stem - Solid Wedge
- NPT Threaded ends to ANSI B1.20.1
- Cast iron handle.
- Each valve individually air tested under water.
- Good for diesel fuel.
- Made in Indonesia
- Not lead free

**BRASS GATE VALVES IPS**

Part#	Size	L	H	D1	d	T	S1	Weight	Box/Case	List Price
940-130	1/4	1.71	2.91	2.09	.24	1/4-18 NPT	.85	0.65	10/120	17.85
940-131	3/8	1.71	2.91	2.09	.39	3/8-18 NPT	.85	0.59	10/120	17.85
940-132	1/2	1.71	2.91	2.09	0.50	1/2-14 NPT	1.03	0.61	10/120	15.13
940-133	3/4	1.81	3.31	2.13	0.74	3/4-14 NPT	1.26	0.83	10/80	20.33
940-134	1	2.13	3.90	2.48	0.97	1-11.5 NPT	1.51	1.24	5/60	27.86
940-135	1-1/4	2.24	4.61	2.72	1.22	1-1/4-11.5 NPT	1.89	1.69	5/40	50.50
940-136	1-1/2	2.44	5.08	3.15	2.45	1-1/2-11.5 NPT	2.17	2.17	5/30	64.64
940-137	2	2.70	5.94	3.52	1.85	2-11.5 NPT	2.60	3.33	2/24	85.05
940-138	2-1/2	3.70	7.87	3.98	2.48	2-1/2-8 NPT	3.27	6.26	1/10	147.72
940-139	3	4.02	8.82	4.37	2.80	3-8 NPT	3.86	8.34	1/6	220.69
940-140	4	4.53	9.88	4.84	3.60	4-8 NPT	4.88	13.09	1/4	355.33



See Lead Free section page 174 for lead free Gate Valves.

See page 208 for SS Gate Valve

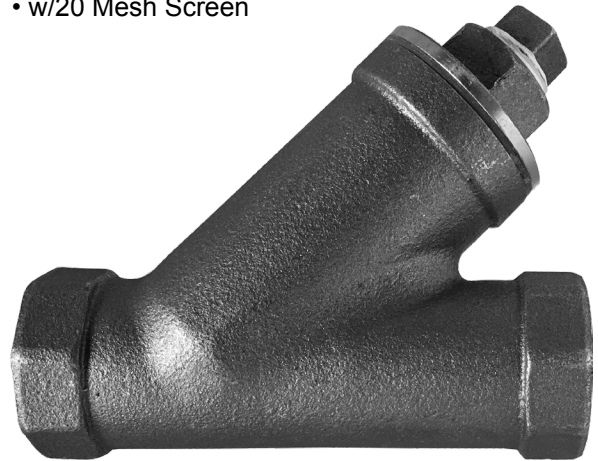


NO	Description	Material
1	Body	C85700
2	Disk	C85700
3	Seat	PTFE
4	Cap	C85700
5	Packing	C85700
6	Stem	C85700
7	Rubber Seat	NBR
8	Packing Nut	C85700
9	Handle	Cast Iron
10	Nameplate	AL
11	Stem Nut	SAE 1010R

CLASS 150 BRASS Y-PATTERN STRAINER

- Forged Brass body, size 1/4"-3".
- Pressure rating: 150 WOG (water, oil, gas)/PN25
150 WSP (Saturated Stem)
- NPT Threaded ends to ANSI B1.20.1
- Protects regulators, pumps, meters and other controls from damage due to sediment scale, metal chips or other foreign materials.
- Screwed cap is threaded & gasketed.
- Tapped drain plug opening in cap.
- 304 stainless steel screen #20 mesh.
- Self cleaning.
- Self cleaning can be accomplished by opening the valve or plug connected to the blow-off outlet.
- Made in Indonesia
- NOT LEAD FREE

- w/20 Mesh Screen



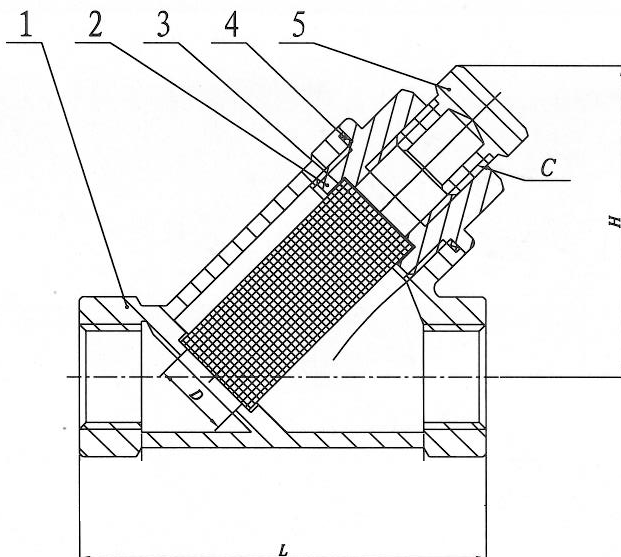
Part#	Size	L	H	C (Plug)	Weight	Box/Case	List Price
940-521	1/4"	3.21	2.44	NPT 3/8	.64	12/48	36.32
940-522	3/8"	3.23	2.44	NPT 3/8	.71	12/48	38.30
940-523	1/2"	3.23	2.44	NPT 3/8	.84	12/48	28.60
940-524	3/4"	3.94	2.78	NPT 3/8	1.10	8/48	41.46
940-525	1"	4.53	3.19	NPT 1/2	1.71	8/32	71.96
940-526	1-1/4"	5.33	3.66	NPT 1/2	2.49	6/24	98.67
940-527	1-1/2"	6.20	3.82	NPT 1/2	3.19	2/16	130.54
940-528	2"	7.44	4.65	NPT 1/2	5.39	2/8	215.16
940-529	2-1/2"	8.94	5.39	NPT 3/4	9.56	1/6	500.00
940-530	3"	10.00	5.67	NPT 3/4	13.49	1/4	716.11



See page 174 for 1/2" Lead Free



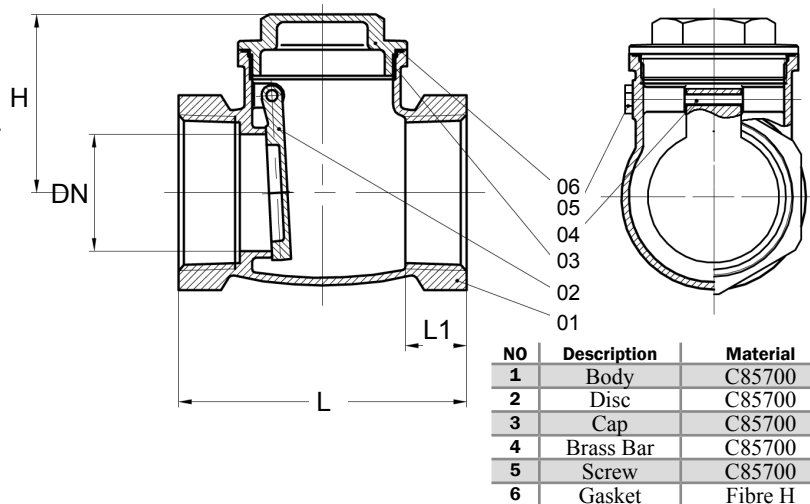
See page 208 for SS Y Strainer



NO	Name	Material
1	BODY	C85700
2	BONNET	C85700
3	STRAINER	304 S.S.
4	SPRING SEAL	PTFE
5	END CAP	C85700

BRASS SWING CHECK VALVES**VALVES****BRASS SWING CHECK VALVES**

- Working pressure non-shock: 200 psi W.O.G. (cold water, oil, gas) 125 psi WSP (saturated steam)
- Swing type disc.
- Screwed Cap.
- Hard Seat.
- 90° Straight Pattern.
- Used to prevent reverse flow in commercial and industrial applications.
- Threaded ends to ANSI B1.20.1
- Integral seat.
- Temp range -5° - 150F°
- NOT LEAD FREE
- Cracking pressure 3-5 psi
- Made in Indonesia

**CAST BRASS SWING CHECK VALVES IPS SCREWED ENDS**

Part #	Size	L	H	L1	DN	Weight	Box/Case	List Price
940-352	1/2	2.09	1.42	0.531	0.512	.41	10/100	17.25
940-353	3/4	2.36	1.56	0.579	0.728	.56	10/80	19.41
940-354	1	2.62	1.77	0.748	0.925	.73	5/60	27.81
940-355	1-1/4	3.19	2.07	0.748	1.201	1.36	5/40	43.88
940-356	1-1/2	3.54	2.16	0.846	1.417	1.56	5/30	60.54
940-357	2	4.21	2.74	0.886	1.772	2.58	2/20	90.90
940-358	2-1/2	5.14	3.09	1.063	2.224	4.55	1/15	171.93
940-359	3	5.77	3.80	1.102	2.579	6.53	1/6	241.83
940-360	4	6.84	4.25	1.102	3.602	10.18	1/4	392.81



• See page 174 for Lead Free Brass Swing Check Valves



• See page 208 for SS Swing Check Valves

Y PATTERN BRASS SWING CHECK VALVE SCREWED ENDS

Part #	Size	List Price
940-351B	3/8"	58.73
940-352B	1/2"	58.73
940-353B	3/4"	78.26
940-354B	1"	100.28
940-355B	1-1/4"	150.27
940-356B	1-1/2"	180.40
940-357B	2"	249.80
940-358B	2-1/2"	586.74
940-359B	3"	801.13

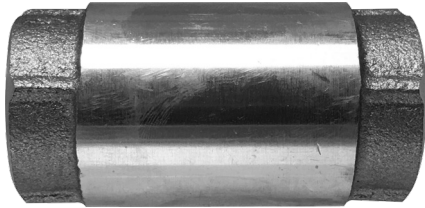
Y PATTERN BRASS SWING CHECK VALVE COPPER x COPPER

Part #	Size	List Price
940-362B	1/2"	58.73
940-363B	3/4"	78.26
940-364B	1"	100.28
940-365B	1-1/4"	175.02
940-366B	1-1/2"	180.38
940-367B	2"	249.80

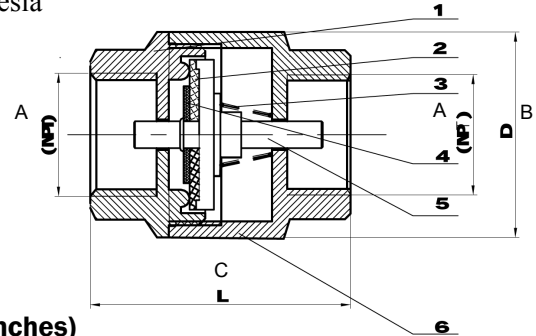
BRASS CHECK VALVES

S.S. SPRING LOADED BRONZE POPPET - For positive sealing & self-cleaning. Insures against leakage.

- Inline Lift Type - Resilient Discs - Spring Actuated - Threaded.
- Pressure rating: 200 WOG (water, oil, gas) / 125 WSP (Saturated Steam)
- Spring in stainless steel AISI 304. • Resilient washer hold/ disc in brass. • Forged Brass Body for 1/2"-2"
- Corrosion resistant material. • Can be used vertically or horizontally. • Opens & Closes with flow of media.
- No cracking pressure. • NOT LEAD FREE • Made in Indonesia



Temp Range
-10°C - 110°C
14°F - 248°F



Brass Check Valve (Inches)

Part#	Size	Enters Pipe Size	A NPT	B	C	Weight	Box/Case	List Price
944-428	1/4"	-	1/4"	1.00	2.01	.24	24/192	17.97
944-429	3/8"	-	3/8"	1.00	2.07	.28	10/100	21.04
944-430	1/2"	1-1/4"	1/2"	1.26	2.40	.42	10/100	16.49
944-431	3/4"	1-1/4"	3/4"	1.50	2.74	.53	10/80	24.51
944-432	1"	2"	1"	1.77	3.23	.80	6/60	32.85
944-433	1-1/4"	2-1/2"	1-1/4"	2.13	3.62	1.32	4/40	47.91
944-434	1-1/2"	3"	1-1/2"	2.36	4.04	1.54	5/30	59.15
944-435	2"	3-1/2"	2"	3.03	5.04	3.07	5/20	92.54



• See page 181 for Lead Free Brass Check Valves

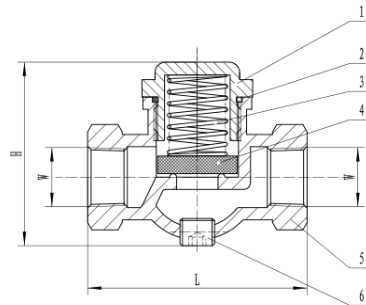


• See page 208 for SS Check Valves

IN LINE CHECK VALVES VERTICAL OR HORIZONTAL

NEW

- Working Pressure: 250 PSI • Temperature Range: -40° to 450°F (-40° to 230°C)
- Cracking Pressure: 3 PSI • Made in China • Not lead free
- Applications: Air Compressor Discharge Lines, may also used on water or oil lines
- Construction: Cast Bronze Body, Corrosion Resistant Stainless Steel Spring to Ensure Long Life, 15% Glass Filled • Teflon Poppet, C360 Machined Brass Cap, 1/8 NPT Unloader Port is Standard • Repairable



Part#	Part Name	Material
6	Plug	Brass
5	Body	Bronze
4	Gasket	PTPF
3	Spring	S.Steel
2	O-ring	HNBR
1	Cap	Brass

Part #	Size	W	L	H	WTG	Box/Case	List Price
947-140	1/8"	1/8	1.75	1.63	0.28	10/100	23.40
947-141	1/4"	1/4	1.75	1.63	0.29	10/100	23.40
947-142	3/8"	3/8	2.19	1.88	0.62	5/50	35.10
947-143	1/2"	1/2	2.50	2.13	0.63	5/50	49.40
947-144	3/4"	3/4	2.88	2.50	1.17	4/40	73.84
947-145	1"	1	3.50	2.88		1/20	103.41

BRASS IN-LINE CHECK VALVES

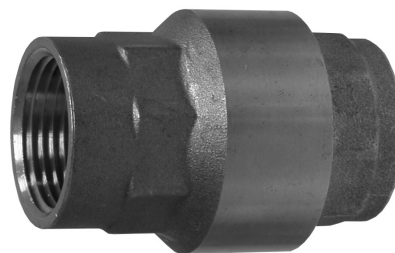
High Capacity, Size 1/4"-2" 400 WOG, 2 1/2"-4" 175 WOG

- Soft Seat for Bubble Tight Shutoff, Spring Loaded for Fast Seating Action.
- Compact design.
- Low Cracking Pressure 1/2 psi.
- Flow Profile Designed to Minimize Head Loss.
- Perfect Seating both at High and Low Pressure, Wide Temperature Range: +10° to 210°F.
- Polyetherimide Disc to ensure the Best Resistance For Corrosion and Abrasion.
- Patented Disc Guide to Prevent Any Side Loading.
- Connection: FNPT x FNPT.
- Made in Italy • Not lead free

NBR for water, oils and general purpose.

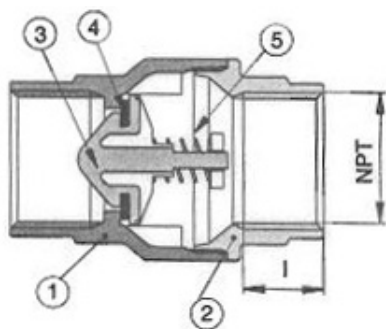
With VITON® Seal for fuels and hydrocarbons. Max working TEMPERATURE 325°F/125 psi steam

Add V to part# for Viton®



Brass In-Line Check

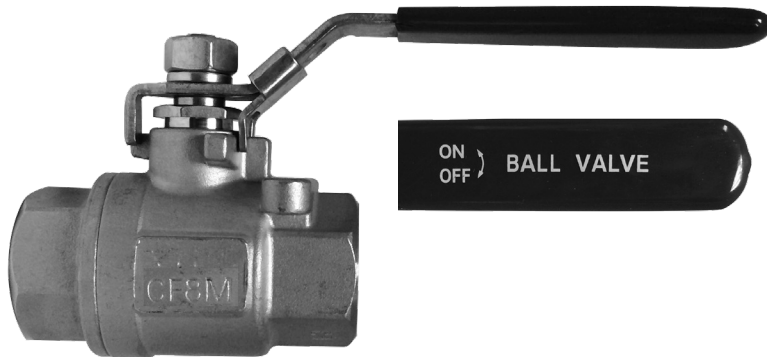
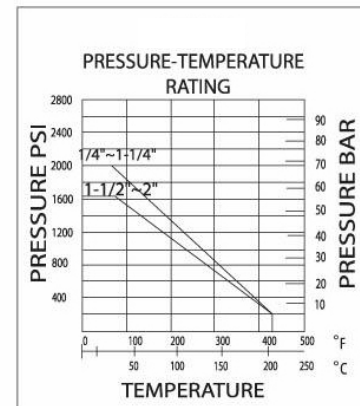
Part#	NBR List	Size	I	psi	Lbs	Case	Viton Part#	Viton List
944-401	20.27	1/4"	0.39	400	0.22	144		
944-402	20.27	3/8"	0.40	400	0.37	144	944-402V	20.88
944-403	22.42	1/2"	0.53	400	0.32	144	944-403V	23.32
944-404	30.52	3/4"	0.55	400	0.49	90	944-404V	32.70
944-405	40.12	1"	0.66	400	0.68	90	944-405V	42.17
944-406	63.05	1-1/4"	0.68	400	1.13	30	944-406V	67.25
944-407	94.90	1-1/2"	0.68	400	1.61	30	944-407V	99.81
944-408	128.37	2"	0.69	400	2.28	12	944-408V	133.88
944-409	293.75	2-1/2"	0.93	175	4.83	4	944-409V	304.59
944-410	397.82	3"	1.01	175	6.70	4	944-410V	411.02
944-411	640.09	4"	1.09	175	12.43	2	944-411V	648.12



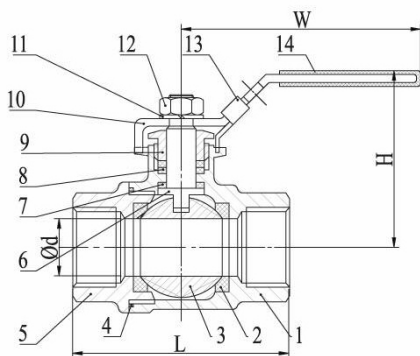
NO	Part	Material	PCS
1	BODY	BRASS	1
2	END CONNECTION	BRASS	1
3	DISC	POLYETHERIMIDE	1
4	SEAT	100002 NBR	1
		100003 Viton	1
5	SPRING	STAINLESS STEEL	1

316 SS 2-PC BALL VALVE, FULL PORT, THREADED END, 2000 PSI

- Investment Castings for body and cap.
- Internal Entry blow-out proof stem.
- Pressure rating: 2000PSI.
- Threaded Ends: ANSI B2,1
- Material: CF8M (316SS)
- Pressure test: API 598
- Generic Handles

**LOCKING HANDLE**

Part#	Size	D	L	H	W	N.M	lbs/ pc	Case	List Price
949-171	1/4"	0.36	2.13	2.13	4.33	.157	0.64	80	34.14
949-172	3/8"	0.50	2.13	2.16	4.33	.157	0.58	80	34.14
949-173	1/2"	0.59	2.24	2.28	4.53	.197	0.71	70	43.92
949-174	3/4"	0.79	2.76	2.40	4.53	.315	1.18	50	60.48
949-175	1"	0.98	3.25	3.03	5.04	.394	1.88	30	90.72
949-176	1-1/4"	1.25	3.58	3.19	5.04	.551	2.45	20	134.64
949-177	1-1/2"	1.50	4.05	3.54	6.10	.709	4.03	14	187.32
949-178	2"	1.96	4.90	4.25	6.10	.984	7.50	7	260.46



NO	Part	Material	QTY
1	BODY	316SS	1
2	BALL SEAT	PTFE	2
3	BALL	316SS	1
4	BODY SEAL	PTFE	1
5	CAP	316SS	1
6	STEM	SS316	1
7	THRUST WASHER	PTFE	1
8	PACKING	PTFE	1
9	GLAND NUT	SS304	1
10	HANDLE	SS304	1
11	WASHER	SS304	1
12	NUT	SS304	1
13	LOCK DEVICE	SS304	1
14	HANDLE COVER	PLASTIC	1

316 SS STANDARD PORT BALL VALVES**VALVES****ONE PIECE STANDARD PORT BALL VALVE****316 Stainless Steel****1000 PSI**

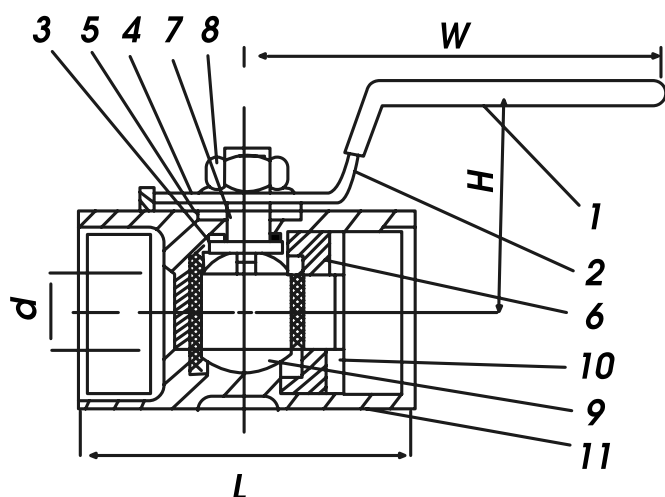
- Manufactured for harsh environments with female NPT threads.
- Locking handle for greater security.
- Standard port has restricted flow.
- Made with corrosion resistant stainless steel materials.
- PTFE seat and seals.
- Investment Castings for Body and Cap.
- Internal Entry Blow-out proof stem.
- Pressure rating: 1000PSI (PN63)
- Threaded Ends: ANSI B2.1
- Material: CF8M
- Pressure Test: API 598
- Generic handles

**LOCKING HANDLE**

Valves will accept a pad-lock on the handle.

Part#	Size	D	L	H	W	dimensions (inches)		
						Weight	Case	List Price
949-101	1/4"	0.20	1.53	1.53	3.03	0.19	150	32.68
949-102	3/8"	0.27	1.74	1.53	3.03	0.23	150	33.15
949-103	1/2"	0.36	2.24	1.73	3.46	0.41	100	36.82
949-104	3/4"	0.50	2.32	1.89	3.46	0.63	70	43.10
949-105	1"	0.59	2.80	2.24	4.29	0.86	50	55.21
949-106	1-1/4"	0.79	3.07	2.32	4.29	1.34	30	96.48
949-107	1-1/2"	0.98	3.26	2.76	5.31	2.00	25	98.29
949-108	2"	1.25	3.94	2.92	5.95	2.93	15	139.91

Larger sizes available on special order basis



Item	Parts	Material
1	Plastic Cover	Plastic
2	Handle	AISI 304 SS
3	Thrust Washer	PTFE
4	Packing Ring	AISI 304 SS
5	Stem Packing	PTFE
6	Seat	PTFE
7	Seat	AISI 316 SS
8	Stem Nut	AISI 304 SS
9	Ball	316SS ASTM-A351 CF8M
10	Cap	316SS ASTM-A351 CF8M
11	Body	316SS ASTM-A351 CF8M

SS = Stainless Steel

TWO PIECE FULL PORT BALL VALVE

316 Stainless Steel

1000 PSI

Materials: CFM8M (SS316)

Features:

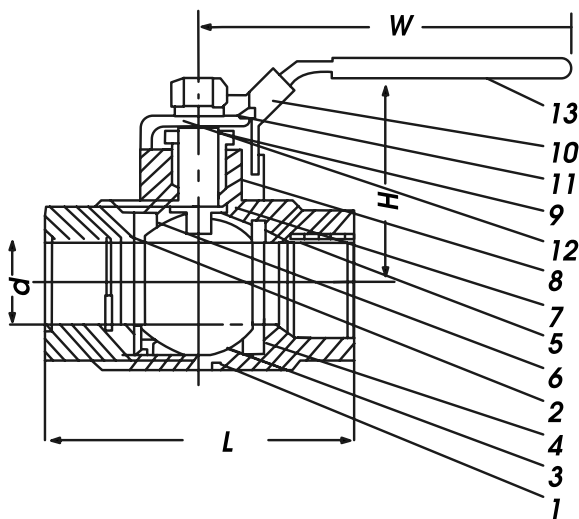
- Quality manufactured for harsh environments.
- Corrosion resistant.
- Investment Casting body
- Working pressure 1000 psi for W.O.G.
- Adjustable stem packing
- Pure teflon seals and seats
- Temperature range: -60 to 450°F
- Blow-out proof stem and safe pressure-reducing hole
- 100% leakage tested at 100 psi air under water
- Hydrostatic test pressure: 1500 psi
- Locking handle w/ blue generic sleeve
- 125 Steam rated
- Generic Handles



Valves will accept a pad-lock on the handle.

dimensions (inches)

Part#	Size	D	L	H	W	Weight	Case	List Price
949-161	1/4"	0.36	2.13	2.13	4.33	0.51	80	33.86
949-162	3/8"	0.50	2.13	2.16	4.33	0.49	80	33.86
949-163	1/2"	0.59	2.24	2.28	4.53	0.69	70	41.74
949-164	3/4"	0.79	2.68	2.40	4.53	0.97	50	49.75
949-165	1"	0.98	3.15	3.03	5.04	1.69	30	74.23
949-166	1-1/4"	1.26	3.58	3.19	5.04	2.17	20	133.89
949-167	1-1/2"	1.49	4.05	3.54	6.10	3.33	12	176.42
949-168	2"	1.97	4.88	4.25	6.10	6.02	7	211.07
949-169	2-1/2"	2.56	6.30	5.20	9.06	7.61	2	292.71
949-170	3"	3.15	7.28	5.71	9.06	21.01	2	466.51
949-180	4"	3.94	8.84	7.28	13.19	36.18	1	1220.30

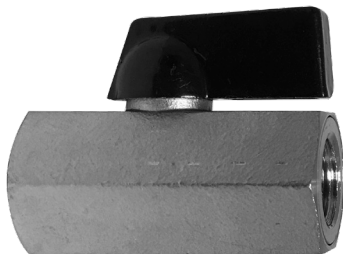


Item	Parts	Material
1	Body	316SS ASTM-A351 CF8M
2	Body Cap	316SS ASTM-A351 CF8M
3	Ball	316SS ASTM-A351 CF8M
4	Seat	Reinforced PTFE
5	Stem	AISI 316 SS
6	Seal	Reinforced PTFE
7	Thrust Washer	Reinforced PTFE
8	Packing	Reinforced PTFE
9	Gland Nut	AISI 304SS
10/11	Nut & Washer	AISI 304SS
12	Handle	AISI 304SS
13	Plastic Cover	Plastic

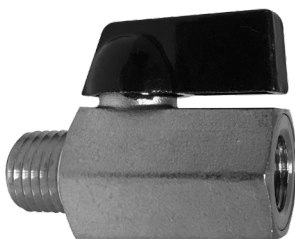
SS = Stainless Steel

316 SS MINI BALL VALVES**VALVES****STAINLESS STEEL MIN BALL VALVES**

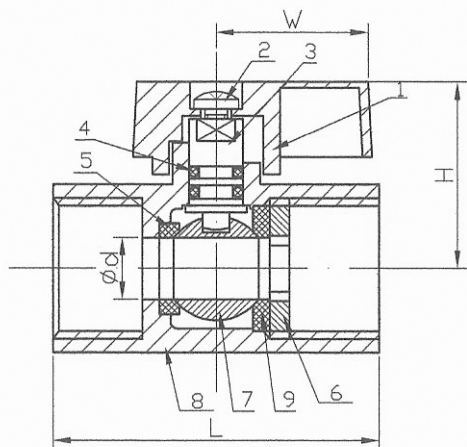
- 316 Stainless Steel
- Working pressure 400PSI
- Working Temperature -10°C to 150°C

**FEMALE PIPE x FEMALE PIPE**

Part#	Size	W	D	H	L	Weight	Case	List Price
46934SS	1/8"	.898	.197	.985	1.693	.18	150	19.50
46935SS	1/4"	.898	.276	.984	1.693	.21	150	19.50
46936SS	3/8"	.898	.276	.984	1.693	.19	150	20.46
46937SS	1/2"	.898	.362	1.114	1.811	.26	100	25.19

**MALE PIPE x FEMALE PIPE**

Part#	Size	W	D	H	L	Weight	Case	List Price
46930SS	1/8"	.898	.197	.985	1.693	.18	150	18.53
46931SS	1/4"	.898	.276	.984	1.693	.18	150	18.53
46932SS	3/8"	.898	.276	.984	1.693	.19	150	19.44
46933SS	1/2"	.898	.362	1.114	1.811	.26	100	24.56



NO	Part	Material	QTY
1	LEVER	ALUMINIUM ALLOY	1
2	BOLT	304	1
3	STEM	304/ 316	1
4	"O" RING	NBR	1~2
5	BALL SEAT (A)	PTFE	1
6	CAP	CF8/ CF8M	1
7	BALL	CF8/ CF8M	1
8	BODY	CF8/ CF8M	1
9	BALL SEAT (B)	PTFE	1

MINI STAINLESS STEEL BALL VALVE ,WITH BUTTERFLY HANDLE

1000PSI WOG , 150PSI WSP

Temperature Range: -36°F to + 368°F

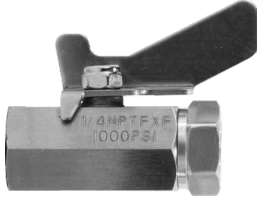
Full Port for 1/4" , Standard port for 3/8" and 1/2"

316 Stainless Steel body and Ball

Teflon seats and sealing

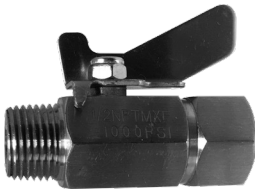
- Viton O-Ring
- #316 Stainless Steel
- Made in China

NEW



FEMALE PIPE X FEMALE PIPE

Part #	Size FIP x FIP	Dimensions in				WTG	Box	List Price
		d	L	B (Hex)	H			
46-922SS	1/4"×1/4"	0.314"	2.15"	22.1/0.87"	1.5"	0.33	36	44.20
46-923SS	3/8"×3/8"	0.314"	2.27"	22.1/0.87"	1.5"	0.39	36	44.20
46-924SS	1/2"×1/2"	0.314"	2.63"	24.9/0.98"	1.5"	0.56	36	57.85



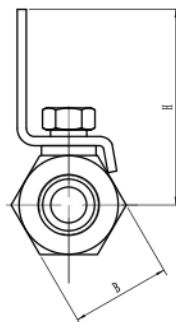
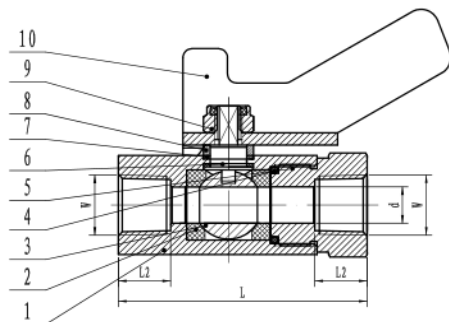
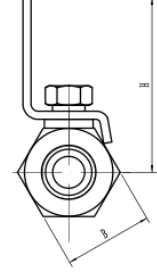
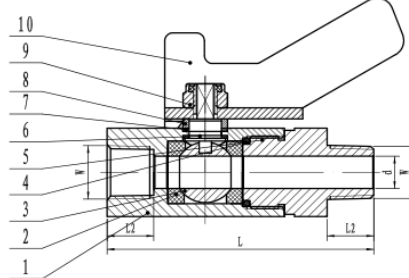
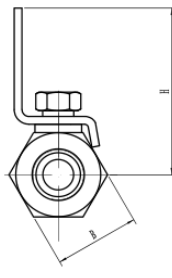
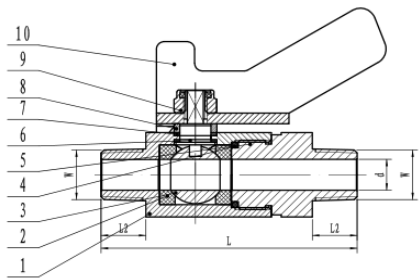
MALE PIPE X FEMALE PIPE

Part #	Size MIP x FIP	Dimensions in				WTG	Box	List Price
		d	L	B (Hex)	H			
46-903SS	1/4"×1/4"	0.314"	2.59"	0.87"	1.5"	0.39	36	45.11
46-904SS	3/8"×3/8"	0.314"	2.59"	0.87"	1.5"	0.36	36	45.11
46-905SS	1/2"×1/2"	0.314"	2.93"	0.98"	1.5"	0.56	36	59.02



MALE PIPE X MALE PIPE

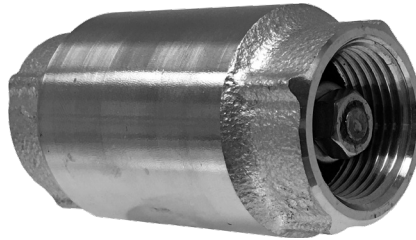
Part #	Size MIP x MIP	Dimensions in				WTG	Box	List Price
		d	L	B (Hex)	H			
46-912SS	1/4"×1/4"	0.314"	2.59"	0.87"	1.5"	0.33	36	46.41
46-913SS	3/8"×3/8"	0.314"	2.59"	0.87"	1.5"	0.34	36	46.41
46-914SS	1/2"×1/2"	0.314"	3.07"	0.98"	1.5"	0.63	36	60.78



Part #	Part Name	Material
1	Body	S316
2	Seat	PTFE
3	Ball	S316
4	O-Ring	Viton
5	Cap	S316
6	Stem	S316
7	Stem Bottom Seal	PTFE
8	Stem Up Seal	PTFE
9	Nut	Steel
10	Handle	Steel

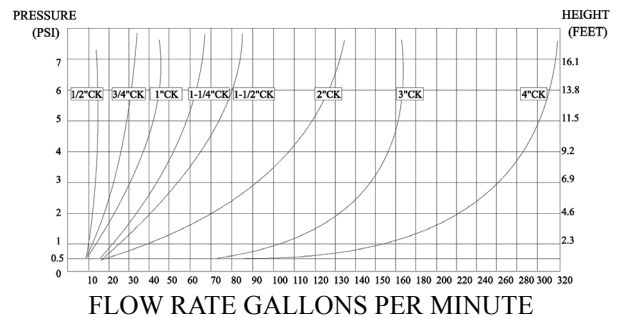
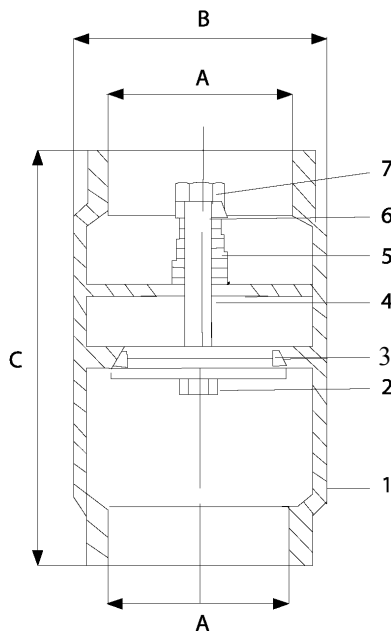
CHECK VALVES**VALVES****#304 STAINLESS STEEL****CHECK VALVE**

- No Lead.
- Water wells need a check valve installed above the pumps between lengths of drop pipes.
- Opens & Closes with flow of media.
- No cracking pressure.
- Working pressure unavailable.
- Made in Taiwan

**Dimensions (Inches)**

Part#	Size	A NPT	B	C	Box/Case	List Price
949-430	1/2"	1/2"	1.26	2.43	10/100	37.68
949-431	3/4"	3/4"	1.50	2.72	10/80	52.04
949-432	1"	1"	1.77	3.23	10/60	65.24

More sizes available on a special order basis.



NO	Part	Material
1	Body	S.S 304
2	Stopper	S.S 304
3	O-Ring	Viton
4	Washer	PE
5	Spring	S.S 304
6	Cap	S.S 304
7	Nut	S.S 304

STAINLESS STEEL IN-LINE CHECK VALVE

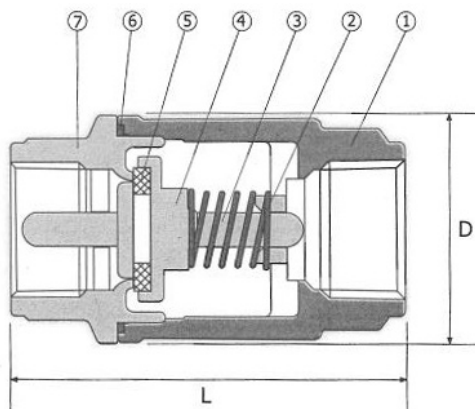
High Capacity, Size 1/4"-2" 800 WOG

- Soft PTFE Seat for Bubble Tight Shutoff, Spring Loaded for Fast Seating Action
- Low Cracking Pressure 1/2 psi.
- Flow Profile Designed to Minimize Head Loss.
- Perfect Seating both at High and Low Pressure, Wide Temperature Range: +10° to 450°F.
- Corrosion Resistant-Excellent for use on Chemicals.
- ASTM A351-CF8M Investment Casting.
- Connection: FNPT x FNPT.
- 125WSP Saturated Steam.
- ANSI B1.20.1 Threads.
- Dual Guided Stem & Disc.
- Made in Italy



Stainless Steel In-Line Check

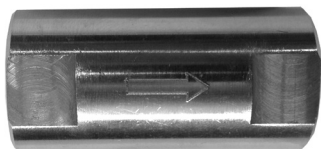
Part#	Size	D	L	psi	Lbs	List
949-401	1/4"	1.35	2.31	800	0.42	145.00
949-402	3/8"	1.35	2.31	800	0.42	145.00
949-403	1/2"	1.35	2.31	800	0.40	157.53
949-404	3/4"	1.81	2.87	800	0.85	215.00
949-405	1"	2.13	3.50	800	1.30	248.76
949-406	1-1/4"	2.46	4.18	800	2.50	496.88
949-407	1-1/2"	2.88	4.93	800	3.40	690.63
949-408	2"	3.56	6.00	800	6.0	1012.75



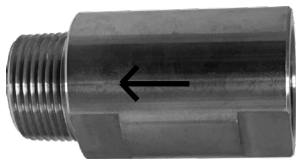
NO	Part	Material	PCS
1	BODY	ASTM A351-CF8M	1
2	SPRING	SS316	1
3	CENTER GUIDE	ASTM A351-CF8M	1
4	DISC	ASTM A351-CF8M	1
5	SEAT	PTFE	1
6	GASKET	PTFE	1
7	END CAP	ASTM A351-CF8M	1

316 SS SPRING CHECK VALVES**VALVES****SPRING CHECK VALVE**

- Working Pressure: 1500PSI (PN100)
- Working Temperature: -10 -150°C
- Opening Pressure: 2~3PSI
- Suitable Medium: W.O.G.
- Threaded End: NPT
- Made in China

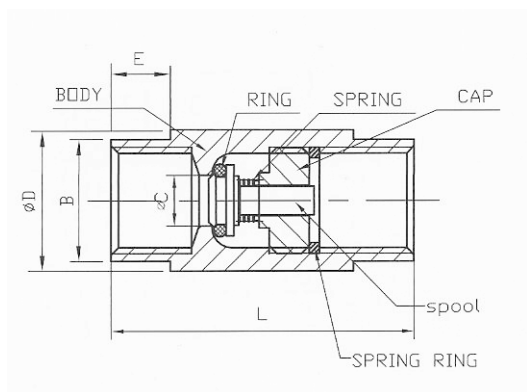
FEMALE PIPE x FEMALE PIPE

Part#	Size	L	C	D	B	E	lbs/ pc	Case	List Price
949-451	1/4"	2.165	.217	.748	.699	.394	.19	200	30.24
949-452	3/8"	2.165	.295	.866	.787	.394	.21	160	30.24
949-453	1/2"	2.165	.413	1.063	.945	.472	.31	100	34.92
949-454	3/4"	2.677	.591	1.417	1.26	.472	.71	60	50.70
949-455	1"	3.268	.787	1.693	1.496	.591	1.14	36	68.28

MALE PIPE x FEMALE PIPE

Part#	Size	L	C	D	B	E	lbs/ pc	Case	List Price
949-471	1/4"	2.165	.217	.748	.699	.394	.176	200	30.24
949-472	3/8"	2.165	.295	.866	.787	.394	.22	160	30.24
949-473	1/2"	2.165	.413	1.063	.945	.472	.27	100	34.92
949-474	3/4"	2.677	.591	1.417	1.26	.472	.62	65	50.70
949-475	1"	3.268	.787	1.693	1.496	.591	1.05	40	68.28

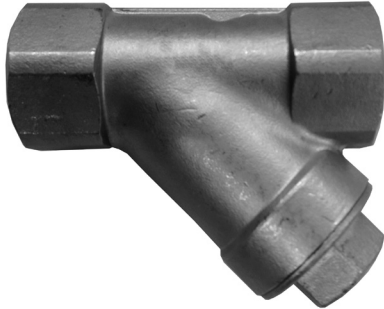
FLOWS MALE -> FEMALE



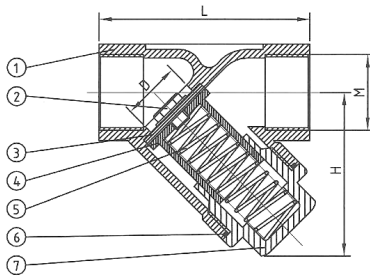
NO	Part	Material	QTY
1	BODY	316	1
2	RING	Rubber	1
3	SPRING	304	1
4	CAP	CF8M	1
5	SPOOL	304/316	1
6	SPRING RING	304	1

Y-SPRING CHECK VALVE

- Working Pressure: 800PSI (PN55)
- Working Temperature: -10 -150°C
- Opening Pressure: 1.5PSI
- Suitable Medium: W.O.G.
- Made in China



Part#	Size	L	H	D	lbs/ pc	Case	List Price
949-481	1/4"	2.559	1.661	.472	.44	70	35.10
949-482	3/8"	2.559	1.661	.472	.51	70	35.10
949-483	1/2"	2.559	1.634	.591	.51	100	39.00
949-484	3/4"	3.15	2.067	.787	.93	80	63.42
949-485	1"	3.543	2.657	.984	1.25	40	102.42
949-486	1-1/4"	4.134	2.795	1.26	2.20	30	117.06
949-487	1-1/2"	4.724	3.169	1.575	3.24	24	156.06
949-488	2"	5.512	3.74	1.969	5.21	10	224.34



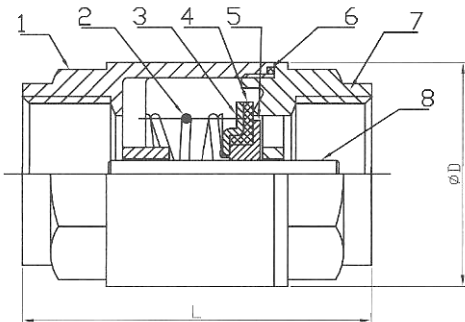
NO	Part	Material	QTY
1	BODY	CF8M/ CF8	1
2	BOLT	304	1
3	SEAT	Teflon	1
4	DISC	304	1
5	SPRING	304	1
6	GASKET	Teflon	1
7	CAP	CF8M/ CF8	1

2PC BARREL TYPE SPRING CHECK VALVE

- Working Pressure: 300PSI (PN20)
- Working Temperature: -10 -120°C
- Opening Pressure: 2PSI
- Suitable Medium: W.O.G.
- Threaded end: NPT
- Made in China



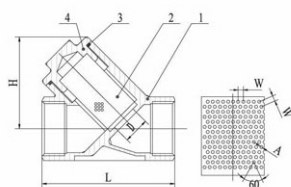
Part#	Size	L	D	lbs/pc	Case	List Price
949-441	1/4"	2.00	1.142	.27	100	30.24
949-442	3/8"	2.00	1.142	.24	100	30.24
949-443	1/2"	2.24	1.28	.36	100	34.92
949-444	3/4"	2.44	1.594	.54	60	45.84
949-445	1"	2.95	1.89	.88	30	66.30
949-446	1-1/4"	3.23	2.362	1.39	18	81.90
949-447	1-1/2"	3.46	2.756	1.81	25	113.16
949-448	2"	3.94	3.425	2.86	14	175.56



NO	Part	Material	QTY
1	BODY	CF8M/ CF8	1
2	BOLT	304	1
3	SEAT	PTFE	1
4	DISC	304	1
5	SPRING	316/ 304	1
6	GASKET	PTFE	1
7	CAP	CF8M/ CF8	1

316 SS MISCELLANEOUS VALVES**VALVES****#316 SS Y STRAINER**

- Investment Castings for Body
- Pressure Rating: 800PSI (PN40)
- Threaded Ends: ANSI B2.1
- Material: CF8M (#316 SS)
- Pressure Test: API 598
- Made in China



- 40 Mesh screen

Part	Material	QTY
1 BODY	CF8M	1
2 SCREEN	SS316	1
3 JOINT GASKET	PTFE	1
4 BONNET	CF8M	1

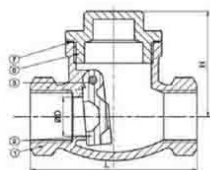
Part #	Size	d	L	H	W	ØA	Kgs	List Price
949-521	1/4"	10	50	51	2	1	0.20	27.41
949-522	3/8"	12	50	51	2	1	0.17	27.41
949-523	1/2"	15	58	51	2	1	0.20	28.50
949-524	3/4"	20	65	60	2	1	0.33	37.85
949-525	1"	25	80	72	2	1	0.58	57.06
949-526	1-1/4"	32	92	77	2	1	0.75	68.09
949-527	1-1/2"	40	105	87	2	1	1.05	93.42
949-528	2"	50	125	102	2	1	1.57	128.88

316 SS SWING CHECK VALVE

- 200PSI(PN16)
- Threaded Ends: ANSI B2.1
- Material: CF8M (#316 SS)
- Pressure Test: API 598
- Made in China



Part	Material	QTY
1 BODY	CF8M	1
2 DISC	CF8M	1
3 PIPE PLUG	CF8	1
4 SCREW	CF8	1
5 SCREW GASKET	PTFE	1
6 CAP	CF8M	1
7 CAP GASKET	PTFE	1



Part #	Size	D	L	H	Kgs	List Price
949-353	1/2"	15	63	40	0.21	39.86
949-354	3/4"	20	78	45	0.35	49.42
949-355	1"	25	85	50	0.46	64.02
949-356	1-1/4"	32	100	56	0.73	75.93
949-357	1-1/2"	40	112	61	0.95	126.15
949-358	2"	50	132	70	1.32	146.04

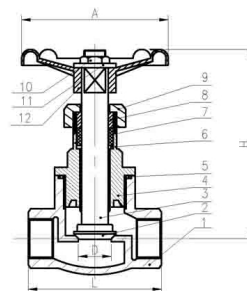
CF8 = 304SS
CF8M = 316SS

316 SS GLOBE VALVES

- 200PSI(PN16)
- Threaded Ends: ANSI B2.1
- Material: CF8M (#316 SS)
- Pressure Test: API 598
- Made in China



Part	Material	QTY
1 BODY	CF8M	1
2 DISC	CF8M	1
3 STEM	304SS	1
4 CAP	CF8M	1
5 SEAL	PTFE	1
6 GASKET	304SS	1
7 PACKING	PTFE	1
8 GASKET	CF8	1
9 GLAND	304SS	1
10 NUT	304SS	1
11 SPRING WASHER	CF8	1
12 HANDLE WHEEL	Steel	1



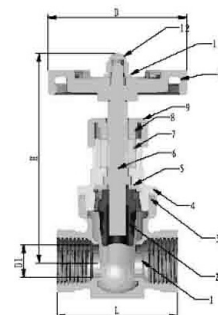
Part #	Size	L	Kgs	List Price
949-303	1/2	58	0.31	34.33
949-304	3/4	68	0.45	44.72
949-305	1	78	0.61	62.43
949-306	1-1/4	88	0.95	88.45
949-307	1-1/2	102	1.32	69.31
949-308	2	115	1.93	156.08

316 SS GATE VALVES

- 200PSI(PN16)
- Threaded Ends: ANSI B2.1
- Material: CF8M (#316 SS)
- Pressure Test: API 598
- Made in China



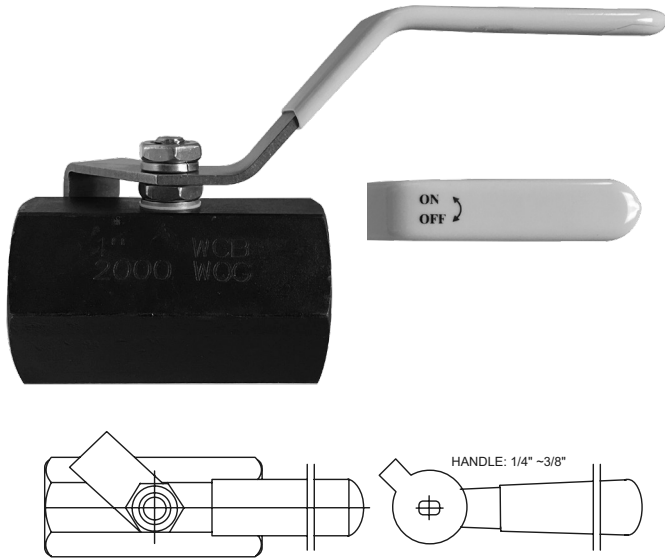
Part	Material	QTY
1 BODY	CF8M	1
2 DISC	CF8M	1
3 SEAL	CF8M	1
4 CAP	CF8M	1
5 SEAL	PTFE	1
6 STEM	304SS	1
7 SEAL	PTFE	1
8 GLAND	304SS	1
9 NUT	304SS	1
10 HANDLE WHEEL	Steel	1
11 GASKET	PTFE	1
12 CAP NUT	CF8	1



Part #	Size	L	D	D1	H	Kgs	List Price
949-253	1/2	42	58	14	85	0.265	37.45
949-254	3/4	47	58	19	95	0.335	46.79
949-255	1	54	72	24	105	0.510	63.70
949-256	1-1/4	62	72	30	110	0.686	95.49
949-257	1-1/2	64	98	38	135	1.055	121.75
949-258	2	75	98	47	150	1.45	177.95

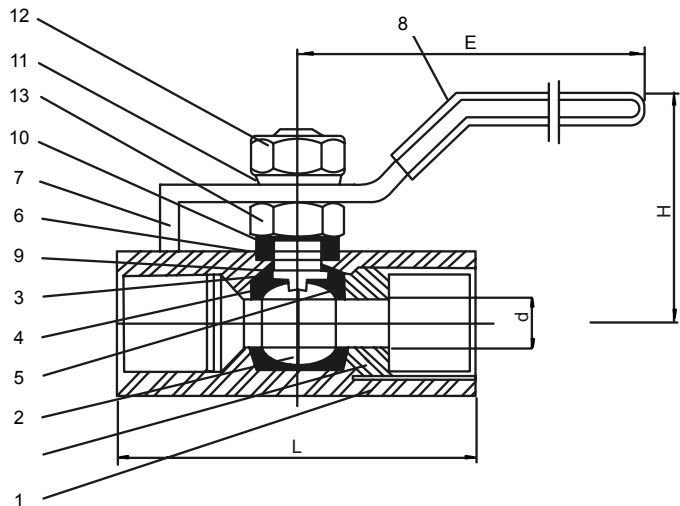
STANDARD PORT CARBON STEEL BALL VALVE

- For chemical and industrial applications.
- Blow-out proof stem design.
- 100% air tested under water, at 100 psi, open and closed positions.
- Made in China
- Generic handles



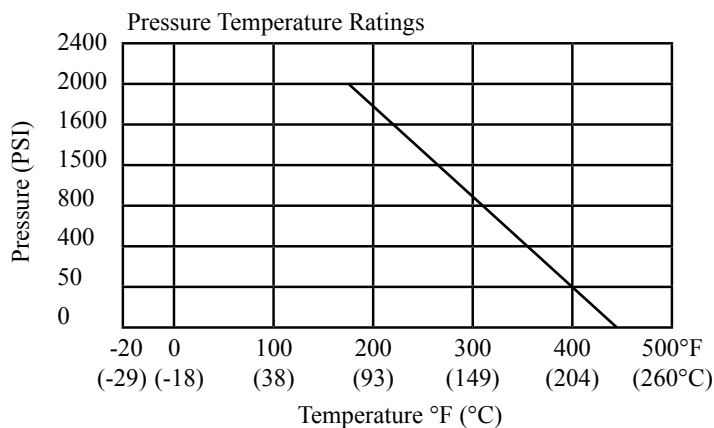
SPECIFICATIONS

- Working Pressure: 1/4" ~ 1" 2000 psi WOG,
1-1/4" ~ 2" 1500 psi WOG,
- Temperature Range: -60° to 450°F
- End types: Threaded
- 1 piece ball valve
- Reinforced PTFE seat



2000 PSI STANDARD PORT

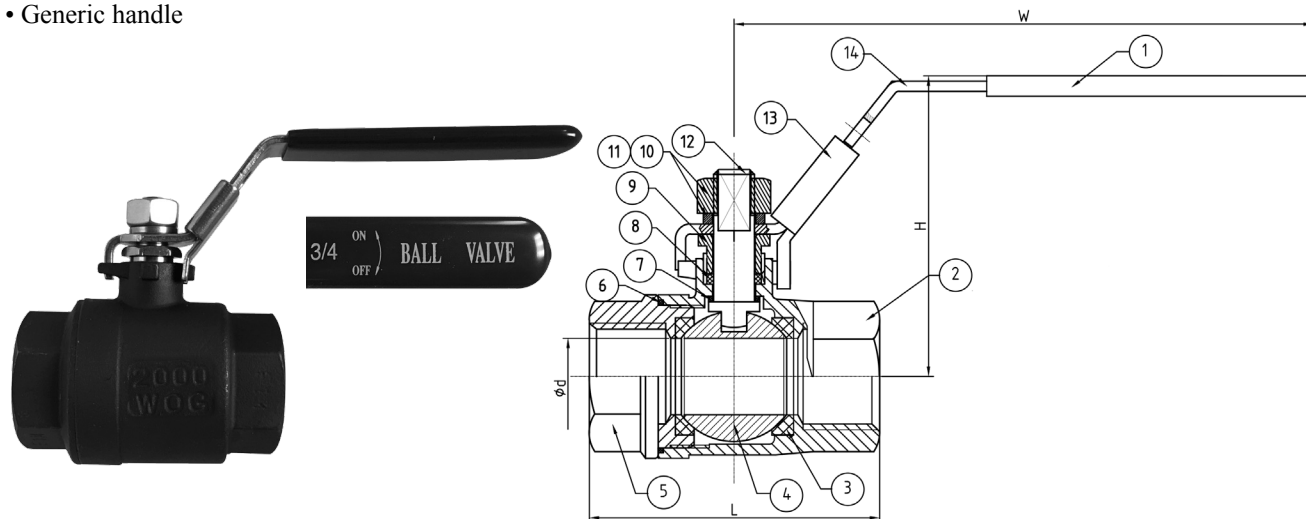
Part #	Size	d	H	E	L	WTG	Box/ Case	List Price
949-121	1/4	.20	1.38	2.95	1.71	0.25	24/96	44.28
949-122	3/8	.28	1.46	2.95	1.87	0.40	100/200	45.58
949-123	1/2	.36	2.36	4.53	2.20	0.75	50/100	47.94
949-124	3/4	.49	2.72	4.53	2.58	1.06	50/100	49.96
949-125	1	.59	2.95	5.12	3.19	2.09	25/50	63.30
949-126	1-1/4	.78	3.07	5.12	3.62	2.99	15/30	109.08
949-127	1-1/2	0.98	3.39	5.91	3.78	4.11	15/30	120.33
949-128	2	1.26	3.86	5.91	4.49	6.50	10/20	204.69



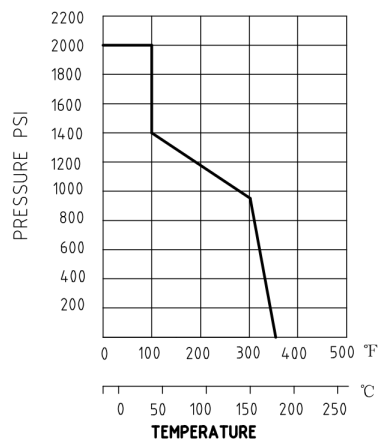
Item	Parts	Material
1	Body	ASTM A216 WCB
2	Ball	ASTM A351 CF8
3	Stem	304
4	Ball Seat	PTFE
5	Cap Seal	PTFE
6	Packing	PTFE
7	Handle	SS304
8	Handle Sleeve	Vinyl Grip
9	Thrust Washer	PTFE
10	Gland	SS304
11	Washer	SS304
12	Handle Nut	SS304
13	Stem Nut	SS304

CARBON STEEL FULL PORT BALL VALVES**VALVES****2000 PSI CARBON STEEL 2PC FULL PORT BALL VALVE****• 2 PIECE****SPECIFICATIONS**

- Working Pressure: 2000 PSI (138 Bar)
- Temperature Range: -10° C-150° C
- Suitable medium: WOG
- Threaded End conforms to ANSI B1.20.1
- Made in China
- Generic handle

NEW**2000 PSI FULL PORT**

Part #	Size	d	L	H	W	WTG	Box/ Case	List Price
949-111	1/4	0.36	2.13	2.13	4.33	0.59	24/96	48.15
949-112	3/8	0.50	2.13	2.17	4.33	0.59	100/200	48.15
949-113	1/2	0.59	2.24	2.28	4.53	0.75	50/100	53.12
949-114	3/4	0.79	2.76	2.40	4.53	1.17	50/100	58.63
949-115	1	0.98	3.25	3.03	5.04	1.88	25/50	67.60
949-116	1-1/4	1.26	3.58	3.19	5.04	2.45	15/30	119.58
949-117	1-1/2	1.50	4.06	3.54	6.10	4.06	15/30	131.32
949-118	2	1.97	4.90	4.25	6.10	7.10	10/20	225.86

PRESSURE-TEMPERATURE
RATING

Item	Parts	Material
1	Handle cover	Plastic
2	Body	CF8M
3	Ball seat	PTFE
4	Ball	CF8M
5	Cap	CF8M
6	Joint gasket	PTFE
7	Thrust washer	PTFE
8	Stem packing	PTFE
9	Gland nut	304
10	Spring washer	304
11	Stem nut	304
12	Stem	316
13	Lock device	304
14	Handle	304

VALVES

FULL PORT 2-WAY VALVES

FULL PORT Two-Way



BKH

Part Number	Thread	Working Pressure	List Price
GE2-14-NPT	1/4" NPT	7250 PSI	53.81
GE2-38-NPT	3/8" NPT	7250 PSI	52.65
GE2-12-NPT	1/2" NPT	7250 PSI	66.95
GE2-34-NPT	3/4" NPT	5800 PSI	128.15
GE2-1-NPT	1" NPT	5075 PSI	160.20
GE2-114T-NPT*	1-1/4" NPT	5000 PSI	188.10
GE2-112T-NPT*	1-1/2" NPT	5000 PSI	250.00
GE2-2T-NPT	2" NPT	5000 PSI	428.57

Part Number	Thread	Working Pressure	List Price
GE2-04-SAE	7/16-20 UNF	7250 PSI	53.80
GE2-06-SAE	9/16-18 UNF	7250 PSI	54.82
GE2-08-SAE	3/4-16 UNF	7250 PSI	75.53
GE2-12-SAE	1-1/16-12 UNF	5800 PSI	115.52
GE2-16-SAE	1-5/16-12 UNF	5000 PSI	145.31
GB2-20T-SAE	1-5/8-12 UNF	5000 PSI	251.32
GB2-24T-SAE	1-7/8-12 UNF	5000 PSI	309.52
GB2-32T-SAE	2-1/2-12 UNF	5000 PSI	575.20

* Reduced Port

Temp Rating = -22° - 212°F

Construction: Steel Body, Ball, Stem
Zinc Chromate Plate
Buna "O" Rings (Viton on request)
Delrin Ball Seats

FULL PORT Three-Way



BK3

Part Number	Thread	Working Pressure	List Price
GE3L-14-NPT	1/4" NPT	5880 PSI	142.86
GE3L-38-NPT	3/8" NPT	5880 PSI	108.84
GE3L-12-NPT	1/2" NPT	5145 PSI	116.10
GE3L-34-NPT	3/4" NPT	5145 PSI	167.62
GE3L-1-NPT	1" NPT	5145 PSI	203.17
GE3L-114T-NPT	1 1/4" NPT	4500 PSI	1073.92
GE3L-112T-NPT	1 1/2" NPT	4500 PSI	1362.36
GE3L-2T-NPT	2" NPT	4500 PSI	1456.69

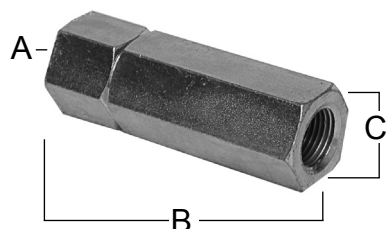
Part Number	Thread	Working Pressure	List Price
GE3L-04-SAE	7/16-20 UNF	5880 PSI	177.72
GE3L-06-SAE	9/16-18 UNF	5880 PSI	185.79
GE3L-08-SAE	3/4-16 UNF	5145 PSI	222.15
GE3L-12-SAE	1-1/16-12 UNF	5145 PSI	179.95
GE3L-16-SAE	1-5/16-12 UNF	5145 PSI	214.06
GB3L-20T-SAE	1-5/8-12 UNF	4500 PSI	1654.09
GB3L-24T-SAE	1-7/8-12 UNF	4500 PSI	1768.90
GB3L-32T-SAE	2-1/2-12 UNF	4500 PSI	2054.00

Temp Rating = -22° - 212°F

Construction: Steel Body, Ball, Stem
Zinc Chromate Plate
Buna "O" Rings (Viton on request)
Delrin Ball Seats

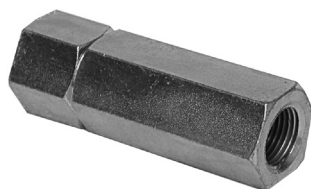
CHECK VALVES**VALVES****CHECK VALVES - HARD SEAT CARBON STEEL CONSTRUCTION - 5lb Cracking Pressure**

- w/ NPT threads



A (NPT Female both ends)

Part #	A Size	B Inches	C Inches	Rated Flow gpm	PSI	List Price
100025	1/4 NPT	2.44	.87	6	5,000	38.52
100035	3/8 NPT	2.87	1.00	10	5,000	44.85
100045	1/2 NPT	3.76	1.26	18	5,000	60.35
100065	3/4 NPT	4.30	1.50	30	5,000	81.00
100085	1 NPT	5.12	1.69	36	5,000	118.92
1000105	1-1/4 NPT	5.56	2.40	50	3,000	281.14
1000125	1-1/2 NPT	5.56	2.56	60	3,000	138.86

CHECK VALVES - HARD SEAT CARBON STEEL CONSTRUCTION - 65lb Cracking Pressure

Part #	A Size	B Inches	C Inches	Rated Flow gpm	PSI	List Price
1000265	1/4	2.56	.87	6	5,000	35.00
1000365	3/8	2.91	.94	10	5,000	43.00
1000465	1/2	3.74	1.18	18	5,000	55.00
1000665	3/4	4.29	1.50	30	5,000	80.95
1000865	1	5.00	1.81	36	5,000	112.00
10001065	1-1/4	5.20	2.41	50	3,000	158.00
10001265	1-1/2	5.20	2.56	60	3,000	162.00

CHECK VALVES - 5lb Cracking Pressure

- w/ SAE threads



Part #	A Size	B Inches	C Inches	Rated Flow gpm	PSI	List Price
100145	7/16-20 SAE	2.56	.87	6	5,000	32.00
100165	9/16-18 SAE	2.91	.94	10	5,000	45.45
100185	3/4-16 SAE	3.74	1.18	18	5,000	55.16
1001125	1-1/6-12 SAE	4.29	1.50	30	3,000	103.84
1001165	1-5/16-12 SAE	5.00	1.81	36	3,000	113.09
1001205	1-5/8-12 SAE	5.20	2.41	50	3,000	235.83
1001245	1-7/8-12 SAE	5.20	2.56	60	3,000	161.96

CHECK VALVES - 65lb Cracking Pressure

- w/ SAE threads



Part #	A Size	B Inches	C Inches	Rated Flow gpm	PSI	List Price
1001465	7/16-20 SAE	2.56	.87	6	5,000	37.00
1001665	9/16-18 SAE	2.91	.94	10	5,000	45.00
1001865	3/4-16 SAE	3.74	1.18	18	5,000	58.00
10011265	1-1/6-12 SAE	4.29	1.50	30	3,000	87.00
10011665	1-5/16-12 SAE	5.00	1.81	36	3,000	123.00
10012065	1-5/8-12 SAE	5.20	2.41	50	3,000	175.00
10012465	1-7/8-12 SAE	5.20	2.56	60	3,000	179.00

Rated Pressure: Sizes 2 thru 8 - 5000 psi / Sizes 10 thru 24 - 3000 psi

- Soft Seat available by special quote

VALVES**PVC VALVES**

- Quarter turn
- Solvent ends comply with ASTM D2466
- Designed for use in residential, commercial & industrial system as well as waste water, chemical, agricultural applications, marine, food processing, swimming pools.
- Corrosion resistant
- EPDM seal
- FULL PORT
- EPDM O-ring
- Fits both Sch. 40 & 80 pipe
- NSF approved
- Rated for 150 PSI at 73°F
- Threaded ends comply with ANSI B1.20.1

**MOLDED IN PLACE - WHITE PIPE THREADS**

Part#	Size	Case	List Price
940-284	1/2"	100	4.93
940-285	3/4"	100	7.85
940-286	1"	100	11.64
940-287	1-1/4"	100	21.99
940-288	1-1/2"	48	20.40
940-289	2"	24	35.60
940-291	3"	12	138.74
940-292	4"	6	193.12

**WHITE SOCKET - SLIP X SLIP**

Part #	Size	Case	List Price
940-294	1/2"	100	5.97
940-295	3/4"	100	8.33
940-296	1"	100	12.32
940-297	1-1/4"	100	21.06
940-298	1-1/2"	48	25.51
940-299	2"	24	29.03
940-300	2-1/2"	12	102.83
940-301	3"	12	136.84
940-302	4"	6	259.71

GREY PVC BALL VALVES**FEATURES**

- Sizes range from 1/2" to 4"
- Excellent flow characteristics
- Leak-tight shut-off
- EPPM O-Ring
- Test pressure: 225 psi @ 73°F
- Working Pressure: 150 psi @ 73°F

**FIP X FIP THREADED BALL VALVE**

Part #	Size	Case	List Price
899000	1/2"	100	15.93
899001	3/4"	100	16.08
899002	1"	100	22.83
899003	1-1/4"	100	28.57
899004	1-1/2"	48	47.71
899005	2"	24	60.02

**SLIP X SLIP BALL VALVE**

Part #	Size	Case	List Price
899050	1/2"	100	15.03
899051	3/4"	100	17.28
899052	1"	100	20.60
899053	1-1/4"	100	25.04
899054	1-1/2"	48	53.69
899055	2"	24	67.22

PLASTIC VALVES**VALVES****INLINE PLASTIC
SPRING CHECK VALVE**

Socket x Socket

- 200 PSI working pressure @ 77°F .5 PSI to open.



Part#	Size	List Price
940-325	1/2"	15.37
940-326	3/4"	15.23
940-327	1"	21.73
940-328	1-1/4"	29.13
940-329	1-1/2"	30.65
940-330	2"	36.01

**INLINE PLASTIC SPRING CHECK
VALVE FEMALE THREADED ENDS**

- 200 PSI working pressure @ 77°F .5 PSI to open.



Part#	Size	List Price
940-331	1/2"	14.42
940-332	3/4"	17.06
940-333	1"	20.93
940-334	1-1/4"	29.04
940-335	1-1/2"	52.10
940-336	2"	48.63

PLASTIC DRUM FAUCETS

- Pipe threads to ANSI B1.20.1 • Hose threads to ANSI B 1.20.7

The FLO-RITE faucet has been engineered to meet the demand for greater chemical resistance, using linear polyethylene for the stem.

**"FLO-RITE" DRUM FAUCET**

Part #	Size	List Price
46-277	3/4"	17.11

DRUM & BARREL FAUCET VALVE

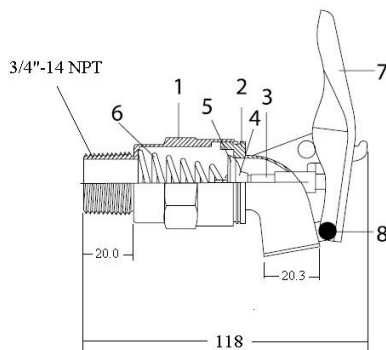
- Die cast body w/ nylon seat and steel spring.
- For use with all petroleum products except trichlorethylene.



Not suitable for potable water

SELF-CLOSING DRUM & BARREL FAUCET

Part #	Size	List Price
46-270	3/4"	12.87



Part #	Part Name	Material
1	Body	Zinc
2	Bonnet	Zinc
3	Stem	Steel
4	Disc	Plastic
5	Seal	Rubber
6	Spring	Zinc plated steel
7	Handle	Aluminum
8	Rivet	Aluminum